

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problems Mailbox.**



# STIC Search Report

## EIC 2100

STIC Database Tracking Number: 112277

TO: Umar Arshad  
Location: 4A29  
Art Unit : 2174  
Wednesday, January 21, 2004

Case Serial Number: 09/883008

From: Terese Esterheld  
Location: EIC 2100  
PK2-4B30  
Phone: 308-7795

[Terese.esterheld@uspto.gov](mailto:Terese.esterheld@uspto.gov)

### Search Notes

Dear Examiner Arshad,

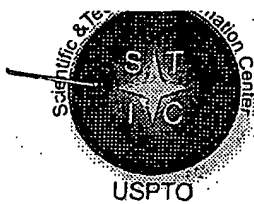
Attached, please find the results of your search request for application 09/883008. I have concentrated on finding information on Creating a Dialog box using reserved Colors, Maps Previously defined colors to cross platform.

Please look over the whole packet as items not marked may also be of value to you.

Please let me if you need additional information on this search.

Thank you for coming to EIC 2100.

Terese Esterheld



# STIC EIC 2100

## Search Request Form

53  
1/2277

Today's Date: 1/14/2003

What date would you like to use to limit the search?

Priority Date: 6/14/2001 Other:

Name UMAR ARSHAD  
AU 2174 Examiner # 79951  
Room # 4A 29 Phone 305-0329  
Serial # 04/883008

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB  
IEEE INSPEC SPI Other

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Drawing a dialog box border/boundary in a color that is reserved for use only by the operating system and drawing a background for the dialog box in a selected color where the boundary/border differentiates the dialog box from the background.

If the selected background color matches the reserved color then the background color is mapped to a previously defined cross-platform compatible color (color that is compatible between Netscape Navigator, Internet Explorer and Mozilla).

STIC Searcher Kerese Esterheld Phone 308-7795  
Date picked up 1/16/04 3:20 pm Date Completed 1/21/04 12:30 pm



Set	Items	Description
S1	27	AU='KANUNGO R' OR AU='KANUNGO RAJESH'
S2	1	AU='BUGEE E L'
S3	27	S1 OR S2

File 347:JAPIO Oct 1976-2003/Sep(Updated 040105)  
(c) 2004 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2004/Jan W03  
(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031225,UT=20031218  
(c) 2003 WIPO/Univentio

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200403  
(c) 2004 Thomson Derwent

3/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06614375 \*\*Image available\*\*  
METHOD AND DEVICE FOR MODAL DIALOG BOX MANAGEMENT INSIDE APPLLET FOR APPLLET  
ON INFORMATION DEVICE

PUB. NO.: 2000-200183 [JP 2000200183 A]  
PUBLISHED: July 18, 2000 (20000718)  
INVENTOR(s): **KANUNGO RAJESH**  
SOTO JUAN CARLOS JR  
APPLICANT(s): SUN MICROSYST INC  
APPL. NO.: 11-340721 [JP 99340721]  
FILED: November 30, 1999 (19991130)  
PRIORITY: 203224 [US 98203224], US (United States of America), November  
30, 1998 (19981130)  
INTL CLASS: G06F-009/06; G06F-003/14

#### ABSTRACT

PROBLEM TO BE SOLVED: To escape from an undersirable java modal dialog box displayed by an applet by transmitting a window closing event to the execution environ ment of the applet in the case that a key pressed by a user is a first escape key.

SOLUTION: This method includes the process for converting user input from the applet to a main browser loop, the reception process for user key depressing and the process for transmitting the window closing event to the execution environment of the applet in the case that the key depressed by the user is the first escape key. The data storage area 104 of the system 100 includes an operating system 112 and data and data structure 114. The data and data structure 114 is provided with a web page capable of display by a browser 106. Also, the data and data structure 114 can include an applet software capable of execution by a java virtual machine 108.

COPYRIGHT: (C)2000,JPO

3/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06614374 \*\*Image available\*\*  
TV PIP USING JAVA API CLASS AND JAVA IMPLEMENTATION CLASS

PUB. NO.: 2000-200182 [JP 2000200182 A]  
PUBLISHED: July 18, 2000 (20000718)  
INVENTOR(s): **KANUNGO RAJESH**  
APPLICANT(s): SUN MICROSYST INC  
APPL. NO.: 11-340551 [JP 99340551]  
FILED: November 30, 1999 (19991130)  
PRIORITY: 203223 [US 98203223], US (United States of America), November  
30, 1998 (19981130)  
INTL CLASS: G06F-009/06; G06F-003/14; H04N-005/45

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable an applet to control the appearance and functionality of a user interface on a web page by receiving user input by the applet by interposing a virtual control panel displayed on the web page.

SOLUTION: The process of receiving the user input by the applet by interposing the virtual control panel displayed on the web page by the applet and the process of calling a virtual control API function by the applet corresponding to the user input, communicating with a PIP object or the like and controlling the display of video data inside the web page,

etc., are provided. In the system, data and data structure 114 is provided with the web page capable of displaying by a browser 106. The data and data structure 114 can be provided with an applet software capable of execution by a java virtual machine 108.

COPYRIGHT: (C)2000,JPO

3/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06614373 \*\*Image available\*\*  
TELEVISION PIP APPLET USING PIP FRAMEWORK AND PIP IMPLEMENTATION

PUB. NO.: 2000-200181 [JP 2000200181 A]  
PUBLISHED: July 18, 2000 (20000718)  
INVENTOR(s): KANUNGO RAJESH  
APPLICANT(s): SUN MICROSYST-INC  
APPL. NO.: 11-340417 [JP 99340417]  
FILED: November 30, 1999 (19991130)  
PRIORITY: 201685 [US 98201685], US (United States of America), November 30, 1998 (19981130)  
INTL CLASS: G06F-009/06; G06F-003/14; H04N-005/45

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable a user to control and display video data through a web page interface by receiving user input by an applet by interposing a virtual control panel displayed on a web page.

SOLUTION: The process of receiving the user input by the applet by interposing the virtual control panel displayed on the web page by the applet and the process of controlling the display of the video data on the web page by the applet based on the user input, etc., are provided. For instance, for a data processing system, data and data structure 114 is provided with the web page capable of display by a browser 106. Also, for instance, the data and data structure 114 can be provided with an applet software capable of exeuction by a java virtual machine JVM 108.

COPYRIGHT: (C)2000,JPO

3/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06614372 \*\*Image available\*\*  
DISPLAY WIDGET INTERACTION USING SLAVE GRAPHICS CONTEXT INSIDE INCORPORATION SYSTEM

PUB. NO.: 2000-200180 [JP 2000200180 A]  
PUBLISHED: July 18, 2000 (20000718)  
INVENTOR(s): KANUNGO RAJESH  
APPLICANT(s): SUN MICROSYST INC  
APPL. NO.: 11-340336 [JP 99340336]  
FILED: November 30, 1999 (19991130)  
PRIORITY: 203043 [US 98203043], US (United States of America), November 30, 1998 (19981130)  
INTL CLASS: G06F-009/06; G06F-003/14; G06F-012/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable high-speed processing of a reactive component inside a user interface by implementing an independent slave context for respective applets (or browser elements).

SOLUTION: A master context 314 inside a browser and the slave context 302 corresponding to a current applet executed by the browser are provided inside a virtual execution environment. Then, based on a reactive graphics event to be displayed onto a screen, a first graphic is written inside the buffer 304 of the slave context 302 and the buffer 318 of the master context 314 by the virtual execution environment. Then, based on the reactive graphics event, a second graphic is written to the buffer 304 of the slave context 302 and the buffer 318 of the master context 314 by the virtual execution environment and execution control is changed from the virtual execution environment to the browser.

COPYRIGHT: (C)2000,JPO

3/5/5 (Item 5 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06614371 \*\*Image available\*\*  
METHOD FOR DISPLAYING APPLLET AND APPLICATION USING BUFFERLESS SLAVE  
GRAPHICS CONTEXT INSIDE INCORPORATION SYSTEM

PUB. NO.: 2000-200179 [JP 2000200179 A]  
PUBLISHED: July 18, 2000 (20000718)  
INVENTOR(s): KANUNGO RAJESH  
NARAYANAN VENKATESH  
APPLICANT(s): SUN MICROSYST INC  
APPL. NO.: 11-340252 [JP 99340252]  
FILED: November 30, 1999 (19991130)  
PRIORITY: 203183 [US 98203183], US (United States of America), November  
30, 1998 (19981130)  
146448 [US 99146448], US (United States of America), July 29,  
1999 (19990729)  
INTL CLASS: G06F-009/06; G06F-003/14

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable a user to display graphics without using a complicated windowing system by implementing an independent slave context for respective applets (or browser elements similar to them).

SOLUTION: By a browser, a user input event is transmitted to a virtual execution environment. Then, a master context 314 inside the browser and the slave context 302 respectively corresponding to the applet executed by the browser are provided inside the virtual execution environment. Then, the graphic based on the user input event is written to the part of a browser memory relating to the slave context 302. Then, by the browser, the graphic is fetched from the part of the browser memory relating to the slave context 302 into the master context 314 and the graphic stored inside the master context 314 is displayed onto a display screen.

COPYRIGHT: (C)2000,JPO

3/5/6 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01550287  
APPLICATION FRAMEWORK FOR MOBILE DEVICES  
STRUCTURE D'APPLICATION POUR DISPOSITIFS MOBILES  
PATENT ASSIGNEE:

Sun Microsystems, Inc., (2616582), 901 San Antonio Road, M/S UPAL 01-521,  
Palo Alto, California 94303, (US), (Applicant designated States: all)  
INVENTOR:  
PABLA, Kuldipsingh, 3282 St. Ignatius Place 327, Santa Clara, CA 95051,  
(US)

KANUNGO, Rajesh , 765 Limerick Court, Sunnyvale, CA 94087, (US)  
NARAYANAN, Venkatesh, 40771 Canyon Heights Drive, Fremont, CA 94539, (US  
PATENT (CC, No, Kind, Date):

WO 2003003688 030109  
APPLICATION (CC, No, Date): EP 2002741773 020529; WO 2002US17089 020529  
PRIORITY (CC, No, Date): US 681930 010627  
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: H04L-029/00  
LEGAL STATUS (Type, Pub Date, Kind, Text):  
Application: 030305 A2 International application. (Art. 158(1))  
Application: 030305 A2 International application entering European  
phase  
LANGUAGE (Publication,Procedural,Application): English; English; English

3/5/7 (Item 2 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01160774

Applet and application display in embedded systems using bufferless child  
graphics contexts

Darstellung von Applets und Anwendungen in eingebetteten Systemen mittels  
graphischen Unterkontexte ohne Puffer

Affichage d'applications et d'applets dans des systemes integres en  
utilisant des sous-contextes graphiques sans memoire tampon

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392737), 901 San Antonio Road, MS PAL1-521,  
Palo Alto, California 94043, (US), (Applicant designated States: all)

INVENTOR:

Kanungo, Rajesh , 765 Limerick Court, Sunnyvale, California 94087, (US)  
Narayanan, Venkatesh, 40771 Canyon Heights Drive, Fremont, California  
94539, (US

LEGAL REPRESENTATIVE:

Alton, Andrew" (97091), "Urquhart-Dykes & Lord Tower House Merrion Way,  
Leeds LS2 8PA, (GB)

PATENT (CC, No, Kind, Date): EP 1011042 A2 000621 (Basic)  
EP 1011042 A3 021106

APPLICATION (CC, No, Date): EP 99309536 991129;  
PRIORITY (CC, No, Date): US 203183 981130; US 146448 P 990729  
DESIGNATED STATES: GB  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT EP 1011042 A2

A method and apparatus implementing a separate child context for each  
applet (or similar element) of a browser. A described embodiment of the  
present invention provides one or more child contexts that correspond to  
elements in the HTML for a web page displayed by a browser. For example,  
each applet executed by the browser has a corresponding and separate  
child context that points to an associated portion of a browser memory.  
The browser also has a parent context, which each child context points  
to. When a graphic is displayed via a widget, the widget draws the  
graphic (such as a panel or a non-pressed button) in the child context of  
the applet and sets a "damage" flag in the child context. When the  
browser performs its main browser loop, it checks the status of the  
damaged flag for each element (including each applet). If the browser  
finds a damage flag that is set, this means that something was written  
into the portion of the browser memory corresponding to the child context  
and that the parent buffer needs updating. In this case, the browser  
"pulls" the information from the portion of browser memory corresponding  
to the child context into the parent buffer, which is then used to update  
the display screen.

ABSTRACT WORD COUNT: 211

NOTE:



Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000621 A2 Published application without search report  
Search Report: 021106 A3 Separate publication of the search report  
Examination: 030625 A2 Date of request for examination: 20030424  
Change: 030702 A2 Legal representative(s) changed 20030515

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200025	1137
SPEC A	(English)	200025	5501
Total word count - document A			6638
Total word count - document B			0
Total word count - documents A + B			6638

3/5/8 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01157837

TV pip using java api classes and java implementation classes

Bereitstellung von Bild-im-Bild Fernsehen durch Java-API Klassen und  
Java-Implementierungsklassen

Provision de la fonctionnalite d'image-en-image de television en utilisant  
des classes Java API et des classes Java d'implementation

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392737), 901 San Antonio Road, MS PAL1-521,  
Palo Alto, California 94043, (US), (Applicant designated States: all)

INVENTOR:

Kanungo, Rajesh , 765 Limerick Court, Sunnyvale, California 94087, (US  
LEGAL REPRESENTATIVE:

Browne, Robin Forsythe, Dr. (55142), Urquhart-Dykes & Lord Tower House  
Merrion Way, Leeds LS2 8PA West Yorkshire, (GB)

PATENT (CC, No, Kind, Date): EP 1008933 A2 000614 (Basic)

APPLICATION (CC, No, Date): EP 99309543 991129;

PRIORITY (CC, No, Date): US 203223 981130

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT EP 1008933 A2

A method and apparatus in which the appearance and functionality of a virtual remote control panel on a web page is controlled by an applet downloaded in connection with the web page. Because the appearance and functionality of the virtual control panel is controlled by the applet, it is easy to change. The invention also includes a set of methods or functions (an API) that can be used by the applet to interface to the video source. This API uses a PIP abstract Java class and a PIPInfo abstract Java class, where "PIP" stands for "picture in picture."

ABSTRACT WORD COUNT: 99

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000614 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200024	402
SPEC A	(English)	200024	4181
Total word count - document A			4583
Total word count - document B			0
Total word count - documents A + B			4583

3/5/9 (Item 4 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01157835

Method and apparatus for modal dialog box management in applets on  
information appliances

Verfahren und Vorrichtung für modale Dialogfensterverwaltung von Applets in  
Informationsgeräten

Procédé et appareil pour la gestion des fenêtres de dialogue modales des  
applets tournant sur des dispositifs d'information

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392737), 901 San Antonio Road, MS PAL1-521,  
Palo Alto, California 94043, (US), (Applicant designated States: all)

INVENTOR:

Kanungo, Rajesh, 765 Limerick Court, Sunnyvale, California 94087, (US)  
Soto, Juan Carlos Jr., 409 Leland Avenue, Palo Alto, California  
94306-1130, (US)

LEGAL REPRESENTATIVE:

Browne, Robin Forsythe, Dr. (55142), Urquhart-Dykes & Lord Tower House  
Merrion Way, Leeds LS2 8PA West Yorkshire, (GB)

PATENT (CC, No, Kind, Date): EP 1008932 A2 000614 (Basic)

APPLICATION (CC, No, Date): EP 99309541 991129;

PRIORITY (CC, No, Date): US 203224 981130

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT EP 1008932 A2

A method and apparatus that allows the user to escape from unwanted Java modal dialog boxes displayed by an applet, even though the Java modal dialog box does not contain a user interface designed to cancel or remove the dialog box from the display. The described embodiment allows the user to use so-called "escape" keys to indicate that the Java modal dialog box should be removed and/or closed. In general, these escape keys have other purposes in addition to removing the Java modal dialog box. A first escape key is a "back" key. Although the back key is typically used within a web browser to return to a previously viewed web page, in dialog box mode, the effect of the back key is to remove the dialog box from the display (under certain circumstances, as discussed below). A second escape key in the described embodiment is the "goto" key. The present invention detects a goto key press before the key press is sent to the Java modal dialog box, and replaces the page containing the errant applet with a new page.

ABSTRACT WORD COUNT: 182

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000614 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200024	387
SPEC A	(English)	200024	4267
Total word count - document A			4654
Total word count - document B			0
Total word count - documents A + B			4654

3/5/10 (Item 5 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01157834

TV PIP applet implementation using a PIP framework  
Implementierung von einem Fernsehen-Bild-im-Bild Applet durch ein  
Bild-im-Bild Rahmwerk  
Implementation d'un applet image-en-image de television en utilisant une  
bibliotheque d'objets image-en-image  
PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392737), 901 San Antonio Road, MS PAL1-521,  
Palo Alto, California 94043, (US), (Applicant designated States: all)

INVENTOR:

Kanungo, Rajesh , 765 Limerick Court, Sunnyvale, California 94087, (US  
LEGAL REPRESENTATIVE:

Browne, Robin Forsythe, Dr. (55142), Urquhart-Dykes & Lord Tower House  
Merrion Way, Leeds LS2 8PA, (GB)

PATENT (CC, No, Kind, Date): EP 1008931 A2 000614 (Basic)  
EP 1008931 A3 030827

APPLICATION (CC, No, Date): EP 99309540 991129;

PRIORITY (CC, No, Date): US 201685 981130

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT EP 1008931 A2

A method and apparatus in which the appearance and functionality of a  
virtual remote control panel on a web page is controlled by an applet  
downloaded in connection with the web page. Because the appearance and  
functionality of the virtual control panel is controlled by the applet,  
it is easy to change. The invention also includes a set of methods or  
functions (an API) that can be used by the applet to interface to the  
video source. This API uses a PIP abstract Java class and a PIPInfo  
abstract Java class, where "PIP" stands for "picture in picture."

ABSTRACT WORD COUNT: 99

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000614 A2 Published application without search report

Search Report: 030827 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200024	492
SPEC A	(English)	200024	4140
Total word count - document A			4632
Total word count - document B			0
Total word count - documents A + B			4632

3/5/11 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01156038

Display widget interaction in embedded systems using child graphics  
contexts

Interaktion zwischen Bildschirm-Widgets in eingebetteten Systemen mittels  
untergeordneten graphischen Kontexten

Interaction entre widgets d'affichage dans des systemes integres en  
utilisant des sous-contextes graphiques

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392737), 901 San Antonio Road, MS PAL1-521,  
Palo Alto, California 94043, (US), (Applicant designated States: all)

INVENTOR:

Kanungo, Rajesh , 765 Limerick Court, Sunnyvale, California 94087, (US  
LEGAL REPRESENTATIVE:

Alton, Andrew (97091), Urquhart-Dykes & Lord Tower House Merrion Way,  
Leeds LS2 8PA, (GB)

PATENT (CC, No, Kind, Date): EP 1006440 A2 000607 (Basic)  
EP 1006440 A3 021106  
APPLICATION (CC, No, Date): EP 99309535 991129;  
PRIORITY (CC, No, Date): US 203043 981130  
DESIGNATED STATES: GB  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT EP 1006440 A2

A method and apparatus implementing a separate child context for each applet (or similar element) of a browser. A described embodiment of the present invention provides one or more child contexts that correspond to elements in the HTML for a web page displayed by a browser. For example, each applet executed by the browser has a corresponding and separate child context. Each child context has an associated memory buffer. The browser also has a parent context, which each child context points to. When a graphic is displayed via a widget, the widget draws the graphic (such as a panel or a non-pressed button) in the child context of the applet and sets a "damage" flag in the child context. When the browser performs its main browser loop, it checks the status of the damaged flag for each element (including each applet). If the browser finds a damage flag that is set, this means that something was written into the child buffer and that the parent buffer needs updating. In this case, the browser "pulls" the information from the child buffer into the parent buffer, which is then used to update the display screen. Other components, called reactive components, present special problems and are treated specially. Reactive components are drawn directly into both the child and parent contexts and buffers without waiting for the main browser loop.

ABSTRACT WORD COUNT: 227

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000607 A2 Published application without search report  
Search Report: 021106 A3 Separate publication of the search report  
Change: 030514 A2 Legal representative(s) changed 20030326  
Examination: 030521 A2 Date of request for examination: 20030321

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200023	1035
SPEC A	(English)	200023	4792
Total word count - document A			5827
Total word count - document B			0
Total word count - documents A + B			5827

3/5/12 (Item 7 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00958234

SYSTEM AND METHOD FOR RECEIVING AND RENDERING MULTI-LINGUAL TEXT ON A SET  
TOP BOX

SYSTEM UND METHODE ZUM EMPFANG UND WIEDERGABE VON MEHRSPRACHIGEM TEXT IN  
EINER SET-TOP-BOX

SYSTEME ET PROCEDE PERMETTANT DE RECEVOIR ET DE REPRODUIRE DES TEXTES EN  
PLUSIEURS LANGUES SUR UN COFFRET D'ABONNE

PATENT ASSIGNEE:

THOMSON CONSUMER ELECTRONICS, INC., (1066932), 10330 North Meridian St,  
Indianapolis, IN 46290-1024, (US), (Applicant designated States: all)

INVENTOR:

KANUNGO, Rajesh, 765 Limerick Court, Sunnyvale, CA 94087, (US)

MOTOFUJI, Richard, K., 285 Columbia Avenue, Kensington, CA 94708, (US)

PATENT (CC, No, Kind, Date):

WO 9821890 980522

APPLICATION (CC, No, Date): WO 97947530 971112; WO 97US20858 971112  
PRIORITY (CC, No, Date): US 745508 961112; US 747204 961112; US 747207  
961112  
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE  
INTERNATIONAL PATENT CLASS: H04N-007/16  
CITED PATENTS (WO A): XP 545431 0  
CITED REFERENCES (WO A):

HASKIN R L ET AL: "A SYSTEM FOR THE DELIVERY OF INTERACTIVE TELEVISION  
PROGRAMMING" DIGEST OF PAPERS OF THE COMPUTER SOCIETY COMPUTER  
CONFERENCE (SPRING) COMPCON, TECHNOLOGIES FOR THE INFORMATION  
SUPERHIGHWAY SAN FRANCISCO, MAR. 5 - 9, 1995, no. CONF. 40, 5 March  
1995, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, pages 209-215,  
XP000545431;

LEGAL STATUS (Type, Pub Date, Kind, Text):  
Application: 20000315 A1 International application. (Art. 158(1))  
Application: 981007 A1 International application (Art. 158(1))  
Withdrawal: 20000315 A1 Date application deemed withdrawn: 19990613  
Appl Changed: 20000315 A1 International application not entering  
European phase  
LANGUAGE (Publication,Procedural,Application): English; English; English

3/5/13 (Item 8 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00856355

**PORTABLE OBJECT-ORIENTED OPERATING SYSTEM**  
**PORTIERBARES OBJEKTORIENTIERTES BETRIEBSSYSTEM**  
**SYSTEME D'EXPLOITATION PORTABLE ORIENTE OBJET**  
PATENT ASSIGNEE:

OBJECT TECHNOLOGY LICENSING CORP. doing business as OTLC, (2168571),  
10355 N. De Anza Boulevard, Cupertino, CA 95014, (US), (applicant  
designated states: DE;FR;GB)

INVENTOR:

KANUNGO, Rajesh , 765 Limerick Court, Sunnyvale, CA 94087, (US

LEGAL REPRESENTATIVE:

Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen,  
(DE)

PATENT (CC, No, Kind, Date): EP 846288 A1 980610 (Basic)  
EP 846288 B1 990602  
WO 9715006 970424

APPLICATION (CC, No, Date): EP 96939474 961014; WO 96US16700 961014

PRIORITY (CC, No, Date): US 543666 951016

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/44; G06F-009/455;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Oppn None: 000524 B1 No opposition filed: 20000303

Application: 970813 A1 International application (Art. 158(1))

Application: 980610 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 980610 A1 Date of filing of request for examination:  
980403

Change: 980715 A1 Title of invention (German) (change)

Examination: 981209 A1 Date of despatch of first examination report:  
981021

Grant: 990602 B1 Granted patent

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9922	724
CLAIMS B	(German)	9922	688
CLAIMS B	(French)	9922	957
SPEC B	(English)	9922	14488

Total word count - document A 0  
Total word count - document B 16857  
Total word count - documents A + B 16857

3/5/14 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00973663 \*\*Image available\*\*

**APPLICATION FRAMEWORK FOR MOBILE DEVICES**  
**STRUCTURE D'APPLICATION POUR DISPOSITIFS MOBILES**  
Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, M/S UPAL01-521, 901 San Antonio Road, Palo Alto, CA  
94303, US, US (Residence), US (Nationality)

Inventor(s):

PABLA Kuldipsingh, 3282 St. Ignatius Place #327, Santa Clara, CA 95051,  
US,

KANUNGO Rajesh , 765 Limerick Court, Sunnyvale, CA 94087, US,  
NARAYANAN Venkatesh, 40771 Canyon Heights Drive, Fremont, CA 94539, US

Legal Representative:

PENILLA Albert S (agent), Martine & Penilla, LLP, 710 Lakeway Drive,  
Suite 170, Sunnyvale, CA 94085, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200303688 A2-A3 20030109 (WO 0303688)

Application: WO 2002US17089 20020529 (PCT/WO US0217089)

Priority Application: US 2001681930 20010627

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-029/08

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9198

**English Abstract**

An application framework for mobile devices is described comprising a three-tier software architecture for wireless devices to allow high-powered backend services to be accessible by low-powered wireless client devices. The present invention defines a layered end-to-end architecture and an application framework, called mobilet framework, for client devices to allow applications to run on wireless devices in a vendor-neutral and platform independent manner. The wireless device may be viewed as a cache or a viewport through which high-end services can be accessed. The cache may be synchronized periodically with the servers and/or service providers through a gateway portal targeted specifically at low-end wireless devices. The mobilet framework for low-end client devices defines an Application Programming Interface as well as an abstraction for platform independent applications called mobilets.

**French Abstract**

L'invention concerne une structure d'application pour dispositifs mobiles qui comprend une architecture logicielle a trois etages pour des dispositifs sans fil afin de rendre accessibles des services principaux de grande puissance a des dispositifs clients sans fil de faible puissance. L'invention concerne en outre une architecture de bout en bout en couches ainsi qu'une structure d'application, dite structure "mobilet", pour des dispositifs clients permettant a des applications de fonctionner sur des dispositifs sans fil de maniere neutre par rapport au

fournisseur et independante de la plate-forme. Le dispositif sans fil peut etre visualise comme antememoire ou cloture a travers laquelle on peut acceder a des services haut de gamme. L'antememoire peut etre synchronisee periodiquement avec les serveurs et/ou les prestataires de services par le biais d'un portail de transit specifiquement cible au niveau des dispositifs sans fil bas de gamme. La structure "mobilet" pour les dispositifs clients bas de gamme definit une interface de programmation d'application ainsi qu'un resume analytique des applications independantes de la plate-forme dites "mobilets".

Legal Status (Type, Date, Text)

Publication 20030109 A2 Without international search report and to be republished upon receipt of that report.  
Examination 20030717 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20031218 Late publication of international search report  
Republication 20031218 A3 With international search report.

3/5/15 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00431426 \*\*Image available\*\*

SYSTEM AND METHOD FOR RECEIVING AND RENDERING MULTI-LINGUAL TEXT ON A SET TOP BOX

SYSTEME ET PROCEDE PERMETTANT DE RECEVOIR ET DE REPRODUIRE DES TEXTES EN PLUSIEURS LANGUES SUR UN COFFRET D'ABONNE

Patent Applicant/Assignee:

THOMSON CONSUMER ELECTRONICS INC,

Inventor(s):

KANUNGO Rajesh ,  
MOTOFUJI Richard K

Patent and Priority Information (Country, Number, Date):

Patent: WO 9821890 A1 19980522

Application: WO 97US20858 19971112 (PCT/WO US9720858)

Priority Application: US 96745508 19961112; US 96747204 19961112; US 96747207 19961112

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: H04N-007/16

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8675

English Abstract

A system and method for receiving and rendering Unicode text in multiple languages on a set top box is disclosed. The system includes a set top box which receives an application program from a broadcast station. The set top box executes the application program. The application program includes Unicode character encoding text for display on a television coupled to the set top box. An operating environment running on the set top box includes a Unicode encoding engine which the application program invokes to display Unicode text. The encoding engine determines the language of characters in the text and invokes a rendering engine corresponding to the language of each character, thus enabling characters from different languages to be mixed in the same text string. The rendering engine has specific knowledge of the language, such as rendering direction and context. One or more glyph sets may be plugged in.

#### French Abstract

L'invention porte sur un systeme et un procede pouvant recevoir et reproduire des textes en Unicode dans plusieurs langues sur un coffret d'abonne. Le systeme comporte un coffret d'abonne recevant un programme d'application d'une station de radiodiffusion. Le coffret d'abonne execute le programme d'applications. Ledit programme comporte des caracteres Unicode codant pour des textes destines a etre affiches sur un televiseur relie au coffret d'abonne. Un systeme d'exploitation tournant sur le coffret d'abonne comporte un moteur de codage en Unicode auquel le programme d'application fait appel pour afficher le texte en Unicode. Ledit moteur determine la langue des caracteres du texte et fait appel a un moteur de reproduction correspondant a la langue de chacun des caracteres, ce qui permet de melanger des caracteres de differentes langues dans la meme chaine de texte. Le moteur de reproduction possede une connaissance specifique de la langue permettant d'en reproduire la direction et le contexte. Il est possible d'enficher un ou plusieurs jeux de glyphes.

3/5/16 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00374263 \*\*Image available\*\*

#### PORTABLE OBJECT-ORIENTED OPERATING SYSTEM

#### SYSTEME D'EXPLOITATION PORTABLE ORIENTE OBJET

Patent Applicant/Assignee:

OBJECT TECHNOLOGY LICENSING CORP doing business as OTLC,

Inventor(s):

**KANUNGO Rajesh**

Patent and Priority Information (Country, Number, Date):

Patent: WO 9715006 A1 19970424

Application: WO 96US16700 19961014 (PCT/WO US9616700)

Priority Application: US 95543666 19951016

Designated States: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-009/44

International Patent Class: G06F-09:455

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 16100

#### English Abstract

An apparatus for enabling an object-oriented application to access in an object-oriented manner an operating system having a native interface is disclosed. The apparatus includes a computer and a memory component in the computer. A code library is stored in the memory component. The code library includes computer program logic implementing an object-oriented class library. The object-oriented class library comprises related object-oriented classes for enabling the application to access in an object-oriented manner services provided by the operating system. The object-oriented classes include methods for accessing the operating system services using procedural function calls compatible with the native procedural interface of the operating system. The computer processes object-oriented statements contained in the application and defined by the class library by executing methods from the class library corresponding to the object-oriented statements.

#### French Abstract

L'invention concerne un dispositif permettant a une application orientee objet d'accéder d'une maniere orientee objet a un systeme d'exploitation qui comporte une interface native. Le dispositif comprend un ordinateur et un element memoire situe dans l'ordinateur. Une bibliotheque de codes est stockee dans l'element memoire. Elle comprend la logique de programme d'ordinateur qui implemente une bibliotheque de classes orientee objet. Celle-ci comprend des classes orientees objet qui permettent a



l'application d'accéder d'une manière orientée objet aux services fournis par le système d'exploitation. Les classes orientées objet comprennent des procédures qui permettent d'accéder aux services du système d'exploitation à l'aide d'appels de procédure compatibles avec l'interface procédurale native du système d'exploitation. L'ordinateur traite les instructions orientées objet contenues dans l'application et définies par la bibliothèque de classes en exécutant des procédés tirés de la bibliothèque de classes qui correspondent aux instructions orientées objet.

3/5/17 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015769543 \*\*Image available\*\*  
WPI Acc No: 2003-831745/200377  
XRPX Acc No: N03-664700

**Access control method for software application in control system,  
involves denying access if request for deprecated element is received  
outside of implementation**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )  
Inventor: GOVINDARAJAPURAM S; KANUNGO R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030191864	A1	20031009	US 2002369379	P	20020401	200377 B
			US 2003350436	A	20030123	

Priority Applications (No Type Date): US 2002369379 P 20020401; US  
2003350436 A 20030123

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030191864	A1		26	G06F-015/163	Provisional application US 2002369379

Abstract (Basic): US 20030191864 A1

NOVELTY - A request is received for accessing deprecated element. A call stack is built for the request. An access for deprecated element is denied if the request is received outside of the implementation based upon the inspection of call stack.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) method for determining the accessibility of caller element; and

(2) access limiting system.

USE - For accessing deprecated elements implemented in computer software specifications.

ADVANTAGE - Improves the detection and controlling access of deprecated elements and attributes implemented in software specifications.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the operation performed in determining the accessibility of deprecated elements.

pp; 26 DwgNo 7/9

Title Terms: ACCESS; CONTROL; METHOD; SOFTWARE; APPLY; CONTROL; SYSTEM;  
ACCESS; REQUEST; ELEMENT; RECEIVE; IMPLEMENT

Derwent Class: T01

International Patent Class (Main): G06F-015/163

International Patent Class (Additional): G06F-009/00; G06F-009/54

File Segment: EPI

3/5/18 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015738140 \*\*Image available\*\*

WPI Acc No: 2003-800341/200375  
XRPX Acc No: N03-641239

**Digital image display method for computer system and television, involves decoding received image object using determined output color model associated with received digital image**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )  
Inventor: **KANUNGO R** ; NARAYANAN V  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6625307	B1	20030923	US 99146418	P	19990729	200375 B
			US 2000595553	A	20000615	

Priority Applications (No Type Date): US 99146418 P 19990729; US 2000595553 A 20000615

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6625307	B1	12	G06K-009/00	Provisional application	US 99146418

Abstract (Basic): US 6625307 B1

NOVELTY - A format of the received digital image, is determined and an output color model associated with the received digital image, is determined. The received image object is directly decoded by using the output color model. The decoded image is transmitted to a monitor for display.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for digital image display apparatus.

USE - For displaying digital image in computer system and television..

ADVANTAGE - As the received image object is directly decoded by using the output color model, the intermediate image processing steps are eliminated, thereby providing the digital image with improved quality.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart illustrating digital image display program.

pp; 12 DwgNo 5/7

Title Terms: DIGITAL; IMAGE; DISPLAY; METHOD; COMPUTER; SYSTEM; TELEVISION; DECODE; RECEIVE; IMAGE; OBJECT; DETERMINE; OUTPUT; COLOUR; MODEL; ASSOCIATE; RECEIVE; DIGITAL; IMAGE

Derwent Class: T01

International Patent Class (Main): G06K-009/00

File Segment: EPI

3/5/19 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015280285 \*\*Image available\*\*

WPI Acc No: 2003-341216/200332

XRPX Acc No: N03-272923

**Application framework for wireless device, has gateway that provides protocol translation between client and server devices after pre-processing communication between client and server tires**

Patent Assignee: KANUNGO R (KANU-I); NARAYANAN V (NARA-I); PABLA K (PABL-I); SUN MICROSYSTEMS INC (SUNM )

Inventor: **KANUNGO R** ; NARAYANAN V; PABLA K  
Number of Countries: 100 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030005019	A1	20030102	US 2001681930	A	20010627	200332 B
WO 200303688	A2	20030109	WO 2002US17089	A	20020529	200332

Priority Applications (No Type Date): US 2001681930 A 20010627

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030005019	A1	74	G06F-017/00		

WO 200303688 A2 E H04L-029/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA  
ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20030005019 A1

NOVELTY - Server tier (103) provides different services to a client tier (101) processing device independent applications. A gateway tier (102) preprocesses communications between the client and server devices and provides protocol translation between the client and server tiers having peer-to-peer communication layers.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for vendor-neutral communication providing multi-tier system.

USE - For wireless devices e.g. cellular phone, pager, personal digital assistant (PDA) etc.

ADVANTAGE - Allows high powered back end services to be accessible by the wireless device. Allows application to run on mobile device in a vendor-neutral and platform independent manner, thereby making foot print and protocol restrictions transparent to the client.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of the end-to-end protocol view for the wireless client.

Client tier (101)

Gateway tier (102)

Server tier (103)

pp; 74 DwgNo 1/5

Title Terms: APPLY; FRAMEWORK; WIRELESS; DEVICE; GATEWAY; PROTOCOL;  
TRANSLATION; CLIENT; SERVE; DEVICE; AFTER; PRE; PROCESS; COMMUNICATE;  
CLIENT; SERVE

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/00; H04L-029/00

File Segment: EPI

3/5/20 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015149459 \*\*Image available\*\*

WPI Acc No: 2003-209986/200320

XRPX Acc No: N03-167478

**Differentiable dialog box creation for computer graphic involves drawing dialog box boundary using reserved color so that created dialog box can be visually differentiated**

Patent Assignee: BUGEE E L (BUGE-I); KANUNGO R (KANU-I)

Inventor: BUGEE E L ; KANUNGO R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030007004	A1	20030109	US 2001883008	A	20010614	200320 B

Priority Applications (No Type Date): US 2001883008 A 20010614

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030007004	A1		15	G06F-003/00	

Abstract (Basic): US 20030007004 A1

NOVELTY - The method involves receiving a dialog box creating command including the selected background color of a dialog box. A dialog box background is drawn using the value of the selected background color. A dialog box boundary is drawn using a color, reserved by the operating system of a platform, so that the created dialog box can be visually differentiated from the displayed background.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a color selection method for drawing of dialog box;
  - (b) and a dialog box graphical user interface generating method.
- USE - Applicable for computer graphic.

ADVANTAGE - Enables by-passing of an indexing operation implemented in creating cross-platform compatible colors, thus providing efficient, simple and inexpensive method for creation of differentiable dialog box.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart diagram of operation for creation of dialog box having boundary differentiable from displayed background.

pp; 15 DwgNo 4A/4

Title Terms: DIALOGUE; BOX; CREATION; COMPUTER; GRAPHIC; DRAW; DIALOGUE; BOX; BOUNDARY; RESERVE; COLOUR; SO; DIALOGUE; BOX; CAN; VISUAL; DIFFERENTIAL

Derwent Class: T01

International Patent Class (Main): G06F-003/00

File Segment: EPI

3/5/21 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013476646 \*\*Image available\*\*

WPI Acc No: 2000-648589/200063

XRPX Acc No: N00-480817

Modal dialog box management method for applets in information systems, in which 'escape' keys are used to indicate that modal dialog box should be removed and/or closed

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: KANUNGO R ; SOTO J C

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1008932	A2	20000614	EP 99309541	A	19991129	200063 B
JP 2000200183	A	20000718	JP 99340721	A	19991130	200063
US 6407759	B1	20020618	US 98203224	A	19981130	200244

Priority Applications (No Type Date): US 98203224 A 19981130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 1008932	A2	E	19	G06F-009/44	
------------	----	---	----	-------------	--

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2000200183	A		42	G06F-009/06	
---------------	---	--	----	-------------	--

US 6407759	B1			G06F-003/00	
------------	----	--	--	-------------	--

Abstract (Basic): EP 1008932 A2

NOVELTY - The method is performed by a browser to escape from a displayed dialog box generated by an errant applet, and involves diverting user input from the applet to a main browser loop. A user key input press is then received, and if the key press is an escape key, a close window event is sent to an execution environment of the applet.

DETAILED DESCRIPTION - The method is performed by a browser to escape from a displayed dialog box generated by an errant applet, in the absence of a user interface from the modal dialog box which may be designed to cancel or remove the dialog box from the display. The method involves using the 'escape' keys to indicate that the modal dialog box should be removed and/or closed. The 'escape' keys usually have other purposes within the user interface in addition to removing the modal dialog box. INDEPENDENT CLAIMS are also included for; an apparatus incorporated in a browser to escape from a displayed dialog box generated by an errant applet; a computer program product storing computer readable code for causing a browser to escape from a displayed dialog box generated by an errant applet.

USE - Managing Java modal dialog boxes in an information processing system having a user interface.

ADVANTAGE - Allows user to escape from unwanted Java modal dialog boxes displayed by an applet, even though Java modal dialog box does not contain a user interface designed to cancel or remove the dialog box from the display.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a processing system of the invention in accordance with an embodiment of the invention.

Processing system (100)  
Set-top box (101)  
Processor (102)  
Data storage area (104)  
Browser (106)  
Java virtual machine (108)  
Operating systems (112)  
Display (130)  
pp; 19 DwgNo 1/10

Title Terms: MODE; DIALOGUE; BOX; MANAGEMENT; METHOD; INFORMATION; SYSTEM;  
ESCAPE; KEY; INDICATE; MODE; DIALOGUE; BOX; REMOVE; CLOSE  
Derwent Class: T01; W03  
International Patent Class (Main): G06F-003/00; G06F-009/06; G06F-009/44  
International Patent Class (Additional): G06F-003/14  
File Segment: EPI

3/5/22 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013431598 \*\*Image available\*\*  
WPI Acc No: 2000-603541/200058  
XRPX Acc No: N00-446649

Display control method for appearance of video data in web page, in which  
video data is displayed on web page under control of applet which calls  
API functions in response to user input via virtual remote control  
displayed on web page

Patent Assignee: SUN MICROSYSTEMS INC (SUNM ); KANUNGO R (KANU-I)  
Inventor: KANUNGO R  
Number of Countries: 027 Number of Patents: .003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1008933	A2	20000614	EP 99309543	A	19991129	200058 B
JP 2000200182	A	20000718	JP 99340551	A	19991130	200058
US 20030056215	A1	20030320	US 98203223	A	19981130	200323

Priority Applications (No Type Date): US 98203223 A 19981130  
Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 1008933	A2	E	30 G06F-009/44	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
JP 2000200182	A		53 G06F-009/06	
US 20030056215	A1		G06F-003/00	

Abstract (Basic): EP 1008933 A2

NOVELTY - The appearance and functionality of a virtual remote control panel on a web page is controlled by an applet downloaded in connection with the web page. A set of methods or functions e.g. an API can be used by the applet to interface to the video source.

DETAILED DESCRIPTION - The method for controlling the display of video data involves creating, by an applet, a Picture in Picture (PIP) object and a PIP Info object which is sent to the PIP object to initially control the display of video data within the web page. User input is received by the applet, via a virtual control panel displayed by the applet on the web page. Virtual control Application Programming Interface (API) functions are called, by the applet, in accordance with

the user input to communicate with the PIP object and the PIP Info object to control the display of video data within the web page. INDEPENDENT CLAIMS are also included for; an apparatus that controls the display of video data; a computer program product storing code for controlling the display of video data.

USE - Display of video data on web page under the control of an applet that defines the appearance and functionality of a virtual remote control displayed on the web page.

ADVANTAGE - Allows user to control the display of video data e.g. sent from a television set or other video source, via a 'virtual remote control' displayed on a World Wide Web page being viewed by the user.

DESCRIPTION OF DRAWING(S) - The drawing shows a diagram of a set top box system including a remote unit and video display.

Set-top box (101)

Remote unit (120)

Television unit (130)

Web page (304)

Virtual remote control panel (310)

pp; 30 DwgNo 2/12

Title Terms: DISPLAY; CONTROL; METHOD; APPEAR; VIDEO; DATA; WEB; PAGE; VIDEO; DATA; DISPLAY; WEB; PAGE; CONTROL; CALL; FUNCTION; RESPOND; USER; INPUT; VIRTUAL; REMOTE; CONTROL; DISPLAY; WEB; PAGE

Derwent Class: P85; T01; W01; W03

International Patent Class (Main): G06F-003/00; G06F-009/06; G06F-009/44

International Patent Class (Additional): G06F-003/14; G06F-009/00;

G06F-009/46; G06F-009/54; G06F-013/00; G06F-015/163; G09G-005/00;

H04N-005/445; H04N-005/45; H04N-007/173

File Segment: EPI; EngPI

3/5/23 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013394635 \*\*Image available\*\*

WPI Acc No: 2000-566573/200053

XRPX Acc No: N00-418489

Display control method for appearance of video data in web page, in which video data is displayed on web page under control of applet which calls API functions in response to user input via virtual remote control displayed on web page

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: KANUNGO R

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1008931	A2	20000614	EP 99309540	A	19991129	200053 B
JP 2000200181	A	20000718	JP 99340417	A	19991130	200053

Priority Applications (No Type Date): US 98201685 A 19981130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 1008931	A2	E	30	G06F-009/44	
------------	----	---	----	-------------	--

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2000200181	A	54	G06F-009/06	
---------------	---	----	-------------	--

Abstract (Basic): EP 1008931 A2

NOVELTY - The appearance and functionality of a virtual remote control panel on a web page is controlled by an applet downloaded in connection with the web page. A set of methods or functions e.g. an API can be used by the applet to interface to the video source.

DETAILED DESCRIPTION - The method for controlling the display of video data involves executing an applet specified within a downloaded web page, and receiving, by the applet, user input via a virtual control panel displayed by the applet on the web page. The display of video data on the web page is controlled, by the applet, in accordance

with the user input. INDEPENDENT CLAIMS are also included for; an apparatus that controls the display of video data; a computer program product storing code for controlling the display of video data.

USE - Display of video data on web page under the control of an applet that defines the appearance and functionality of a virtual remote control displayed on the web page.

ADVANTAGE - Allows user to control the display of video data e.g. sent from a television set or other video source, via a 'virtual remote control' displayed on a World Wide Web page being viewed by the user.

DESCRIPTION OF DRAWING(S) - The drawing shows a diagram of a set top box system including a remote unit and video display.

Set-top box (101)

Remote unit (120)

Television unit (130)

Web page (304)

Virtual remote control panel (310)

pp; 30 DwgNo 2/12

Title Terms: DISPLAY; CONTROL; METHOD; APPEAR; VIDEO; DATA; WEB; PAGE;

VIDEO; DATA; DISPLAY; WEB; PAGE; CONTROL; CALL; FUNCTION; RESPOND; USER;

INPUT; VIRTUAL; REMOTE; CONTROL; DISPLAY; WEB; PAGE

Derwent Class: T01

International Patent Class (Main): G06F-009/06; G06F-009/44

International Patent Class (Additional): G06F-003/14; H04N-005/45

File Segment: EPI

3/5/24 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013242606 \*\*\*Image available\*\*

WPI Acc No: 2000-414488/200036

XRPX Acc No: N00-309705

Method of controlling display of graphics data without using complex windowing system by providing orphan context for behind scenes drawing, contents of orphan context

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: KANUNGO R ; NARAYANAN V

Number of Countries: 027 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1011042	A2	20000621	EP 99309536	A	19991129	200036 B
JP 2000200179	A	20000718	JP 99340252	A	19991130	200040
US 6351272	B1	20020226	US 98203183	A	19981130	200220
US 6380955	B1	20020430	US 98203183	A	19981130	200235
			US 99146448	P	19990729	
			US 2000595600	A	20000615	

Priority Applications (No Type Date): US 99146448 P 19990729; US 98203183 A 19981130; US 2000595600 A 20000615

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 1011042	A2	E	27	G06F-009/44	
------------	----	---	----	-------------	--

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2000200179	A		58	G06F-009/06	
---------------	---	--	----	-------------	--

US 6351272	B1			G06F-003/14	
------------	----	--	--	-------------	--

US 6380955	B1			G06F-003/14	
------------	----	--	--	-------------	--

CIP of application US 98203183

Provisional application US 99146448

Abstract (Basic): EP 1011042 A2

NOVELTY - An orphan context for behind the scenes drawing is provided. Contents of the orphan context may be indirectly drawn on a display screen via the buffer of the child context. The browser may pull the graphic from the child context to the parent context. The graphic stored in the parent context is then on the displayed on a screen.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(a) an apparatus that controls display of a graphic data

(b) a computer program product

USE - For a user interface control that allows a user to display graphics without using a complex windowing system

ADVANTAGE - A child context may update the display properly for a reactive component if it merely marks the child context as damaged and waits for the browser loop.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of a data processing system in accordance with one embodiment of the present invention.

pp; 27 DwgNo 1a/16

Title Terms: METHOD; CONTROL; DISPLAY; GRAPHIC; DATA; COMPLEX; SYSTEM;

CONTEXT; SCENE; DRAW; CONTENT; CONTEXT

Derwent Class: T01

International Patent Class (Main): G06F-003/14; G06F-009/06; G06F-009/44

International Patent Class (Additional): G06F-003/14

File Segment: EPI

3/5/25 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013196196 \*\*Image available\*\*

WPI Acc No: 2000-368069/200032

XRPX Acc No: N00-275509

Method for displaying reactive graphic elements for displaying widget interaction in embedded systems by writing second graphic into buffer of child context and buffer of parent context in accordance with reactive graphic event

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: KANUNGO R

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1006440	A2	20000607	EP 99309535	A	19991129	200032 B
JP 2000200180	A	20000718	JP 99340336	A	19991130	200040
US 6266056	B1	20010724	US 98203043	A	19981130	200146

Priority Applications (No Type Date): US 98203043 A 19981130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 1006440	A2	E	24	G06F-009/44	
------------	----	---	----	-------------	--

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2000200180	A		61	G06F-009/06	
---------------	---	--	----	-------------	--

US 6266056	B1			G06F-013/00	
------------	----	--	--	-------------	--

Abstract (Basic): EP 1006440 A2

NOVELTY - A second graphic is written into a buffer (304) of a child context (302) and a buffer (318) of a parent context (314) in accordance with a reactive graphic event using a virtual execution environment, which will be displayed on a screen. A control is then returned to a browser (312) from the virtual execution environment.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for: an apparatus that displays a reactive graphic element and a computer program product.

USE - For controlling user interface related to elements of the HTML for web page displayed by a browser.

ADVANTAGE - Provides proper concurrency of graphic operations even if multiple applets are executed as different threads in the browser.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of a parent and child context data structure in accordance with an embodiment of the present invention.

child context (302)

buffer (304)



parent context (314)  
buffer (318)  
pp; 24 DwgNo 3a/14  
Title Terms: METHOD; DISPLAY; REACT; GRAPHIC; ELEMENT; DISPLAY; INTERACT;  
EMBED; SYSTEM; WRITING; SECOND; GRAPHIC; BUFFER; CHILD; CONTEXT; BUFFER;  
PARENT; CONTEXT; ACCORD; REACT; GRAPHIC; EVENT  
Derwent Class: T01  
International Patent Class (Main): G06F-009/06; G06F-009/44; G06F-013/00  
International Patent Class (Additional): G06F-003/14; G06F-009/00;  
G06F-012/02  
File Segment: EPI

3/5/26 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

011881459 \*\*Image available\*\*  
WPI Acc No: 1998-298369/199826  
XRPX Acc No: N98-233405

Multiple lingual rendering system for television set top box - has one or  
more rendering engines handling related language sets, including Unicode,  
that are embedded, plugged in or downloaded  
Patent Assignee: THOMSON CONSUMER ELECTRONICS INC (THOH ); OPENTV INC  
(OPEN-N)

Inventor: KANUNGO R ; MOTOFUJI R K  
Number of Countries: 079 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9821890	A1	19980522	WO 97US20858	A	19971112	199826 B
AU 9852587	A	19980603	AU 9852587	A	19971112	199842
US 5870084	A	19990209	US 96747207	A	19961112	199913
US 5966637	A	19991012	US 96745508	A	19961112	199949
US 6141002	A	20001031	US 96747204	A	19961112	200057

Priority Applications (No Type Date): US 96747207 A 19961112; US 96745508 A  
19961112; US 96747204 A 19961112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9821890	A1	E	52	H04N-007/16	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9852587	A	H04N-007/16	Based on patent WO 9821890
US 5870084	A	G06F-012/00	
US 5966637	A	H04H-001/02	
US 6141002	A	H04N-007/173	

Abstract (Basic): WO 9821890 A

The set top box has a receiver which is configured to receive an application program from a broadcast centre, in which the program includes a first character for display on a television. The first character has an associated encoding value, from a set of encoding values. The set of values comprises encoding values for characters from several languages.

A processor is configured to receive the application program from the receiver, and to execute the application program. A language detector determines a first language associated with the first character, from the possible languages. A first rendering engine is associated with the first language, for rendering the first character for display on the television.

ADVANTAGE - Provides rendering engine that is modular to allow either single or multiple languages to be processed.

Dwg.6/14

Title Terms: MULTIPLE; LINGUAL; RENDER; SYSTEM; TELEVISION; SET; TOP; BOX;  
ONE; MORE; RENDER; ENGINE; HANDLE; RELATED; LANGUAGE; SET; EMBED; PLUG  
Derwent Class: W02; W03  
International Patent Class (Main): G06F-012/00; H04H-001/02; H04N-007/16;  
H04N-007/173  
International Patent Class (Additional): H04N-007/08; H04N-007/10  
File Segment: EPI

3/5/27 (Item 11 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

011267371 \*\*Image available\*\*  
WPI Acc No: 1997-245274/199722  
XRPX Acc No: N97-202271

Enabling object-oriented application to access operating system interface  
- translating object-oriented statement which accesses service provided  
by operating system, via function calls specific to operating system,  
into function calls provided by operating system interface and executing  
function calls

Patent Assignee: OBJECT TECHNOLOGY LICENSING CORP (OBJE-N); OTLC (OTLC-N)

Inventor: KANUNGO R

Number of Countries: 019 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9715006	A1	19970424	WO 96US16700	A	19961014	199722 B
EP 846288	A1	19980610	EP 96939474	A	19961014	199827
			WO 96US16700	A	19961014	
EP 846288	B1	19990602	EP 96939474	A	19961014	199926
			WO 96US16700	A	19961014	
DE 69602757	E	19990708	DE 602757	A	19961014	199933
			EP 96939474	A	19961014	
			WO 96US16700	A	19961014	
CA 2234796	C	20020416	CA 2234796	A	19961014	200234
			WO 96US16700	A	19961014	

Priority Applications (No Type Date): US 95543666 A 19951016

Cited Patents: 1.Jnl.Ref; US 5379432

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9715006	A1	E	56	G06F-009/44	
				Designated States (National): CA JP	
				Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE	
EP 846288	A1	E		G06F-009/44	Based on patent WO 9715006
				Designated States (Regional): DE FR GB	
EP 846288	B1	E		G06F-009/44	Based on patent WO 9715006
				Designated States (Regional): DE FR GB	
DE 69602757	E			G06F-009/44	Based on patent EP 846288
					Based on patent WO 9715006
CA 2234796	C	E		G06F-009/44	Based on patent WO 9715006

Abstract (Basic): WO 9715006 A

The method involves locating in an application an object oriented statement which accesses a service provided by the operating system. The object-oriented statement is translated to object-oriented function calls defining a particular behaviour. The function calls are translated to one or more object-oriented function calls specific to the operating system services.

The object-oriented function calls are translated into function calls provided by the operating system interface. Function calls provided by the operating system interface are executed.

USE/ADVANTAGE - Performing run-time execution of system services in computer by accessing in object-oriented manner any operating system with procedural or object-oriented operating system. Enables object-oriented application to interact in object-oriented manner with

procedural or object-oriented operating system with native interface.

Dwg.1/11

Title Terms: ENABLE; OBJECT; ORIENT; APPLY; ACCESS; OPERATE; SYSTEM;  
INTERFACE; TRANSLATION; OBJECT; ORIENT; STATEMENT; ACCESS; SERVICE;  
OPERATE; SYSTEM; FUNCTION; CALL; SPECIFIC; OPERATE; SYSTEM; FUNCTION;  
CALL; OPERATE; SYSTEM; INTERFACE; EXECUTE; FUNCTION; CALL

Derwent Class: T01

International Patent Class (Main): G06F-009/44

International Patent Class (Additional): G06F-009/445; G06F-009/455

File Segment: EPI

Set	Items	Description
S1	236401	DIALOG()BOX? OR WINDOW OR SPLASH()SCREEN? OR GUI OR GUIS OR GRAPHIC?()USER()INTERFACE? OR (PULL OR DROP)()DOWN()MENU? OR (NAVIGAT? OR USER) (2N) (INTERFACE? OR CONNECT?) OR CONTENT?(2N-)BOX?
S2	6373441	CREAT??? OR GENERATE? OR PRODUCE? OR DEVELOP? OR MAKE? ? OR ESTABLISH? OR DRAW???
S3	2416896	BORDER? OR BOUNDARY OR LIMIT? OR RESTRICTION? OR LINE? OR - THRESHOLD
S4	840597	COLOR? OR COLOUR? OR HUE? OR SHADE? OR TINT? OR TONE?
S5	1029026	RESERVE? OR STOR? ? OR STORING OR SAVE? OR SAVING OR KEEP? ? OR KEEPING
S6	88664	OPERATING()SYSTEM OR OS OR WINDOWS OR NT OR UNIX OR EXECUT- IVE? OR LINUX OR BIOS OR NBIOS OR DOS OR SOLARIS OR VMS OR SU- NOS
S7	43415	BACKGROUND OR BACK()GROUND OR BACKDROP
S8	1237948	DIFFERENTIAT? OR DISCRIMINAT? OR DISCERN? OR SEPARATE? OR - DISTINGUISH?
S9	70630	MAP OR MAPS OR MAPPED OR MAPPING
S10	14538	(PREVIOUSLY OR ALREADY OR PRIOR? OR BEFORE OR EARLIER OR F- ORMERLY) (2N) (DEFINE? OR DEFINING OR SPECIF? OR DESCRIB? OR ST- IPULAT? OR DESIGNAT?)
S11	32160	CROSS()PLATFORM? OR OPERATING()SYSTEM? OR HETEROGENEOUS()N- ETWORK? OR NETSCAPE()NAVIGATOR OR INTERNET()EXPLORER OR IE OR MOSAIC
S12	768	S1 AND S2 AND S3 AND S4
S13	26	S4 (3N) S5 AND S6
S14	24	S1 AND S2 AND S4 AND S7 AND S8
S15	81	(S7 (3N) S4) AND (S4 (3N) S5)
S16	0	S15 AND S9 AND S10 AND S11
S17	0	S15 AND S10 AND S11
S18	0	S15 AND S10
S19	2	S13 AND S6 AND S7
S20	2	S13 AND S7
S21	1	S12 AND S13
S22	37	S1 AND S8 AND S10
S23	1	S22 AND S11
S24	64	S1 AND S4 AND S11
S25	3	S24 AND S7
S26	0	S24 AND S10
S27	3	S24 AND S9
S28	8	S24 AND S8
S29	3382	S1 (3N) S3
S30	1380	S29 AND S2
S31	1	S30 AND S13 AND S6
S32	61	S13 OR S14 OR S19 OR S20 OR S21 OR S23 OR S25 OR S27 OR S28 OR S31
S33	31	S32 AND IC=(G06F? OR G09G?)
S34	5	S32 AND MC=(T01-F05G5 OR T01-J12B)
S35	31	S33 OR S34

File 347:JAPIO Oct 1976-2003/Sep(Updated 040105)

(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200404

(c) 2004 Thomson Derwent

35/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

05307538 \*\*Image available\*\*  
COLOR TRANSFORMATION DEVICE

PUB. NO.: 08-263038 [JP 8263038 A]  
PUBLISHED: October 11, 1996 (19961011)  
INVENTOR(s): KATO SHIGERU  
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 07-069651 [JP 9569651]  
FILED: March 28, 1995 (19950328)  
INTL CLASS: [6] G09G-005/06 ; G06T-005/00; G09G-005/00 ; G09G-005/36 ; H04N-001/46  
JAPIO CLASS: 44.9 (COMMUNICATION -- Other); 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.9 (INFORMATION PROCESSING -- Other)

#### ABSTRACT

PURPOSE: To transform a color picture into a highly accurate-color picture near to an input color picture by transforming untransformed color pixels into color data whose distances are nearest by referring to registered color data.

CONSTITUTION: A picture information readout part 1 reads out an input color picture to store it in a RAM 8 as picture information D1. A picture information map preparing part 2 generates a color frequency histogram D2 sorted in the order of descent powers from respective pixels of the picture information to store it in the RAM 8. A first registration part selects N colors whose use frequencies of the color frequency histograms D2 are high order to obtain the ratio of the number Np of high order N colors with respect to the number Nt of total pixels of the picture information D1 and registers color data of the number corresponding to the ratio in a palette D3 by successively taking out them from the high order. A first transformation part 4 transforms pixels being within a prescribed distance from color data registered in the first registration part 3 into color data. A second registration part 5 determines representative color data every color space to register them in the palette D3. A second transformation part 6 transforms untransformed pixels into color data whose distance are nearest among the registered color data.

35/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

04318171 \*\*Image available\*\*  
CONTROL DEVICE OF PRINTER

PUB. NO.: 05-309871 [JP 5309871 A]  
PUBLISHED: November 22, 1993 (19931122)  
INVENTOR(s): NARIMATSU SHIYUUKO  
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-113715 [JP 92113715]  
FILED: May 06, 1992 (19920506)  
INTL CLASS: [5] B41J-002/485; G06F-015/72 ; G06F-015/72 ; G09G-005/22  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.9 (COMMUNICATION -- Other); 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R002 (LASERS); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: M, Section No. 1566, Vol. 18, No. 115, Pg. 153, February 24, 1994 (19940224)

#### ABSTRACT

PURPOSE: To perform more simple, economical and effective printing, by

making use of a bit map font and outline font effectively.

CONSTITUTION: A high speed printing mode performing printing by making use of bit map font forcibly, a **toner saving** mode performing printing by only a contour line of a letter by making use of an outline font forcibly and a form saving mode performing printing by ignoring a page renewal command of printing data are selected for setting by a mode setting device D and the set up mode is carried out by a corresponding **executive** device out of a high-speed printing mode **executive** device A, **toner saving** mode **executive** device B and form saving mode **executive** device Then in the case where any of respective modes is not set up, the modes are changed over automatically respectively to the **toner saving** mode and form saving mode when a residual quantity of the toner becomes little and a residual printing forms become few.

35/5/3 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

04084151 \*\*Image available\*\*

IMAGE AREA SEPARATION SYSTEM OF COLOR PICTURE PROCESSOR

PUB. NO.: 05-075851 [JP 5075851 A]

PUBLISHED: March 26, 1993 (19930326)

INVENTOR(s): TANMACHI YOSHIYUKI

APPLICANT(s): FUJII XEROX CO LTD [359761] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-234920 [JP 91234920]

FILED: September 13, 1991 (19910913)

INTL CLASS: [5] H04N-001/40; G06F-015/70

JAPIO CLASS: 44.7 (COMMUNICATION -- Facsimile); 45.4 (INFORMATION PROCESSING -- Computer Applications)

JOURNAL: Section: E, Section No. 1405, Vol. 17, No. 404, Pg. 121, July 28, 1993 (19930728)

#### ABSTRACT

PURPOSE: To correct the erroneous recognition of an area **discrimination generated** in the local areas of pattern blocks or character blocks and to perform a picture and character separation between blocks by a simple logic.

CONSTITUTION: In a picture processor provided with an area **discrimination** means 2 performing an area **discrimination** of pattern/ background /character, etc., by making plural picture elements into blocks and a macro correction means 3 performing a macro correction of an area **discrimination** signal by a **window** composed of plural macro blocks, and performing a picture data processing by switching a parameter in accordance with the area **discrimination** signal, the collation pattern of a macro block composed of  $\{(M-1)/2X \{(M-1)/2\}$  is set by a **window** of a MXN block and a macro correction is performed for the area **discrimination** signal of the block by the presence or absence of this collation pattern. The threshold for a pattern block in the vicinity of a remark block or for the number of a character block is set and the macro correction is subjected to a condition that the number of blocks which is more than the threshold exists.

35/5/4 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

03466493 \*\*Image available\*\*

MULTI-WINDOW DISPLAY SYSTEM

PUB. NO.: 03-129393 [JP 3129393 A]

PUBLISHED: June 03, 1991 (19910603)

INVENTOR(s): MASUKO YASUSHI  
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 01-266195 [JP 89266195]  
FILED: October 16, 1989 (19891016)  
INTL CLASS: [5] G09G-005/14 ; G09G-005/06  
JAPIO CLASS: 44.9 (COMMUNICATION -- Other)  
JOURNAL: Section: P, Section No. 1245, Vol. 15, No. 344, Pg. 62, August 30, 1991 (19910830)

#### ABSTRACT

PURPOSE: To use a desired color to be displayed without considering other application programs by **storing color** codes and performing color conversion when image data are transferred from an image memory to a display memory.

CONSTITUTION: When an image which is stored in an area secured at an image memory part 4 is displayed on a display device 7, a window control part 2 which operates according to the information of the application program stores a storage means 4a with the position and size of the area where the image is stored and the color code of the image and those are specified to an image data conversion and transfer part 6, which is actuated. The image data conversion and transfer part 6 reads image data 3 on the image out, reads the color code corresponding to the image data 3 out from a storage means 4a, and transfers the image data 3 and color code to a display memory part 5 to display the image on the display device 7 in color, so that display colors can be prevented from changing by **windows** even when a color multi-window display is made.

35/5/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

02623718 \*\*Image available\*\*

MULTI- **WINDOW** DISPLAY SYSTEM

PUB. NO.: 63-240618 [JP 63240618 A]  
PUBLISHED: October 06, 1988 (19881006)  
INVENTOR(s): TAKEDA KOICHI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 62-075016 [JP 8775016]  
FILED: March 27, 1987 (19870327)  
INTL CLASS: [4] G06F-003/14  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: P, Section No. 822, Vol. 13, No. 47, Pg. 38, February 03, 1989 (19890203)

#### ABSTRACT

PURPOSE: To eliminate the interference of **colors** at a **window** frame part and to secure the easy-to-see characters in a **window** frame, by setting optionally the vertical and horizontal margins at a margin setting means via a user program or a keyboard when an character type **window** is set up.

CONSTITUTION: A system processor 11 of a multi- **window** display system consists of a CPU, a memory, etc., and an **operating system** and a user program are loaded. A logical screen is produced by a display control processor 12 via a command given from the processor 11. The processor 12 supplies the information into a **window** display table of a character type logical screen and produces a bit **map** evolving command to a bit **map** control part 14. The part 14 starts the display of the corresponding area of a **window** by said command at a position where the vertical and horizontal margins are added to a **window** frame. Then the part 14 evolves a bit **map** to a frame memory 15 and controls a display control part 16.

35/5/6 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

02502497 \*\*Image available\*\*  
COLOR DEFECT DETECTING METHOD

PUB. NO.: 63-119397 [JP 63119397 A]  
PUBLISHED: May 24, 1988 (19880524)  
INVENTOR(s): ASANO TOSHIRO  
MOCHIZUKI ATSUSHI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 61-263741 [JP 86263741]  
FILED: November 07, 1986 (19861107)  
INTL CLASS: [4] H04N-017/02; G06F-015/70 ; H04N-009/04  
JAPIO CLASS: 44.6 (COMMUNICATION -- Television); 45.4 (INFORMATION  
PROCESSING -- Computer Applications)  
JOURNAL: Section: E, Section No. 664, Vol. 12, No. 367, Pg. 135,  
September 30, 1988 (19880930)

#### ABSTRACT

PURPOSE: To attain automatic detection of a color defect of a color video signal and to make it quantitative by checking the color frequency distribution around color defect, classifying it into color stain and uneven color and calculating the color contrast between the color defect and its surrounding.

CONSTITUTION: An R-Y picture 16 and a B-Y picture 17 are subject to 2-dimension differentiation and if a color defect 11 exists, a coloredge 12 is caused. Differentiated pictures are summed and the result is subject to binarization, and a retrieval window 15 is set around the gravity center 14 of the color edge 13 and the color frequency distribution 18 is formed as to picture elements in the window. Number of picture elements (frequency) TA is calculated in the range of plus or minus N, plus or minus M around the average color and in case of TA>T (reference value), it is regarded as a color stain and in case of TA<T, it is considered to be uneven color. In case of the color stain, the color contrast between the color stain and the background and the area ratio of the color stain and the noise as the result of color extraction are discriminated in combination, and in case of uneven color, the color contrast of the uneven color and number of picture elements of the uneven color are discriminated in combination.

35/5/7 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015766771 \*\*Image available\*\*  
WPI Acc No: 2003-828973/200377  
XRPX Acc No: N03-662272

Message size information displaying method for handheld computing device, involves shading background space of item according to calculated size information percentage of each item.

Patent Assignee: MICROSOFT CORP (MICT )

Inventor: SHARPE T D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6642945	B1	20031104	US 2000564962	A	20000504	200377 B

Priority Applications (No Type Date): US 2000564962 A 20000504

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6642945	B1	12	G06F-006/00		



Abstract (Basic): US 6642945 B1

NOVELTY - The size information percentage of each message item is calculated according to size of the message item, to **shade** the **background** space accordingly. The item is displayed in combination with **shaded background** space indicating the size information.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) size information displaying system;
- (2) computer program product comprising storage medium storing **background** space calculating program; and
- (3) **graphical user interface**.

USE - For displaying size information of e-mail messages, documents on handheld computing device, palmtop computers, pocket computers, personal digital assistant (PDA), personal organizers.

ADVANTAGE - The textual column display is eliminated, thus utilization space allocated to each item is reduced. The shading maximizes the available space, thereby enabling the user to **distinguish** items based on item sizes.

DESCRIPTION OF **DRAWING** (S) - The figure shows an explanatory diagram of e-mail display with **colored background** space.

rows for each item (122,124,126,128,130,132,134)

display (300)

pp; 12 DwgNo 3/5

Title Terms: MESSAGE; SIZE; INFORMATION; DISPLAY; METHOD; COMPUTATION; DEVICE; **SHADE** ; **BACKGROUND** ; SPACE; ITEM; ACCORD; CALCULATE; SIZE; INFORMATION; PERCENTAGE; ITEM

Derwent Class: T01

International Patent Class (Main): **G06F-006/00**

File Segment: EPI

35/5/8 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015554521 \*\*Image available\*\*

WPI Acc No: 2003-616676/200358

XRPX Acc No: N03-491089

**Document replication conflict clearing system for database system, resolves conflict by eliminating documents having insufficient attribute value based on defined priority sequence of attribute values**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: BANGEL M J; HANRAHAN V A; MARTIN J A; MURRAY D G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030105779	A1	20030605	US 20015141	A	20011205	200358 B

Priority Applications (No Type Date): US 20015141 A 20011205

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030105779	A1		11	G06F-012/00	

Abstract (Basic): US 20030105779 A1

NOVELTY - Priority sequence of predetermined attribute values are defined for **distinguishing** the stored documents in the replication conflicts. Conflict is resolved by eliminating documents having insufficient attribute value based on the **defined priority** sequence of predetermined attribute values.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) stored document replication conflicts clearing method; and
- (2) computer program.

USE - Stored document replication conflict periodical clearing system for database system for groupware networked system for sharing groupware documents for various business transactions for business

organizations.

ADVANTAGE - Avoids overloading of groupware database by clearing the stored conflicting replicated documents regularly and automatically.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the data processing system and server used to access database of stored replicated documents.

CPU (10)  
RAM (14)  
ROM (16)  
input/output adapter (18)  
disk storage device (20)  
**user interface** adapter (22)  
keyboard (24)  
mouse (26)  
communication adapter (34)  
display adapter (36)  
display screen (38)  
frame buffer (39)  
application (40)  
**operating system** (41)  
pp; 11 DwgNo 1/4

Title Terms: DOCUMENT; REPLICA; CONFLICT; CLEAR; SYSTEM; DATABASE; SYSTEM;  
RESOLUTION; CONFLICT; ELIMINATE; DOCUMENT; INSUFFICIENT; ATTRIBUTE; VALUE  
; BASED; DEFINE; PRIORITY; SEQUENCE; ATTRIBUTE; VALUE

Derwent Class: T01

International Patent Class (Main): **G06F-012/00**

File Segment: EPI

**35/5/9 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015469125 \*\*Image available\*\*

WPI Acc No: 2003-531271/200350

XRFX Acc No: N03-421492

**Rotating color character display method using color graphical user  
interfaces in data processing system, involves creating color  
sequence without background color , for displaying input characters  
according to sequence**

Patent Assignee: GRIFFIN J W (GRIF-I)

Inventor: GRIFFIN J W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6556212	B1	20030429	US 99440541	A	19991115	200350 B
			US 2000638971	A	20000815	

Priority Applications (No Type Date): US 2000638971 A 20000815; US 99440541  
A 19991115

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6556212	B1	20	G09G-005/02	CIP of application	US 99440541

Abstract (Basic): US 6556212 B1

NOVELTY - A **background color** is selected for a display of the data processing system, to create a **color** sequence without the **background color** , in response to a request for displaying a chain of input characters according to the sequence. A specified **color** is selected from the sequence and each input character is displayed in the selected **color** , on the display.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) rotating **color** character display apparatus;
- (2) computer program product for displaying rotating **color** characters;
- (3) rotating **color** word display method;

(4) rotating **color** word display apparatus; and

(5) computer program product for displaying rotating **color** words.

USE - For displaying rotating **color** characters, words and symbols using **color graphical user interfaces** employed in computer software, including various **operating systems**, word processing applications, and other user-friendly software applications, in data processing systems.

ADVANTAGE - Enables displaying rotating **color** characters, words or symbols according to generated **color** sequence, on the display of data processing system, efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining the method of displaying rotating **color** characters.

pp; 20 DwgNo 4/12

Title Terms: ROTATING; **COLOUR**; CHARACTER; DISPLAY; METHOD; **COLOUR**; GRAPHICAL; USER; INTERFACE; DATA; PROCESS; SYSTEM; **COLOUR**; SEQUENCE; **BACKGROUND**; **COLOUR**; DISPLAY; INPUT; CHARACTER; ACCORD; SEQUENCE

Derwent Class: P85; T01

International Patent Class (Main): G09G-005/02

File Segment: EPI; EngPI

35/5/10 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015250212 \*\*Image available\*\*

WPI Acc No: 2003-311138/200330

XRPX Acc No: N03-247608

Swing application program interface for computer, displays child object with background **color** of parent, if background **color** of child object is not declared and not globally defined

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: BROUSSARD S J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020180784	A1	20021205	US 2001870615	A	20010531	200330 B

Priority Applications (No Type Date): US 2001870615 A 20010531

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020180784	A1		35	G06F-003/14	

Abstract (Basic): US 20020180784 A1

NOVELTY - A child object is displayed with a declared **background color**, if the **background color** is declared. The child object is displayed with globally defined **background color**, if the **background color** is globally defined and is not declared. The child object is displayed with parent's **background color**, if the **background color** is not declared and not globally defined.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) a **color** inheritance method; and

(2) a computer readable storage medium **storing color** inheritance program.

USE - Swing application program interface (API) for use in computer.

ADVANTAGE - Provides a full-featured and completely portable platform-neutral **user interface** which allows normal inheritance of the **background** and foreground **color** settings without modifying the legacy application program while maintaining a consistent look and feel independent of the **operating system**.

DESCRIPTION OF DRAWING(S) - The figure shows the computer system capable of supporting GUI with a consistent look and feel across diverse **operating system**.

pp; 35 DwgNo 1/19

Title Terms: SWING; APPLY; PROGRAM; INTERFACE; COMPUTER; DISPLAY; CHILD;

OBJECT; BACKGROUND ; COLOUR ; PARENT; BACKGROUND ; COLOUR ; CHILD;  
OBJECT; DEFINE  
Derwent Class: T01  
International Patent Class (Main): G06F-003/14  
File Segment: EPI

35/5/11 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015213927 \*\*Image available\*\*  
WPI Acc No: 2003-274464/200327  
XRPX Acc No: N03-217747

Graphical user interface system for computer, displays portions of  
pointer in contrasting colors based on colors of background and  
foreground portion of display screen where different portions of pointer  
is displayed

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: ABDELHADI S F; ROJAS H  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6486894	B1	20021126	US 99442697	A	19991118	200327 B

Priority Applications (No Type Date): US 99442697 A 19991118

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6486894	B1	9	G09G-005/08	

Abstract (Basic): US 6486894 B1

NOVELTY - A display system displays portions of a pointer in a  
shade contrasting to the colors of background and foreground of  
the display screen, when the different portions of the pointer are  
displayed in the same area of the display screen as the foreground and  
background, respectively.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the  
following:

- (1) pointer displaying method;
- (2) computer system; and
- (3) computer readable medium storing instructions for displaying  
pointer.

USE - For display of GUI pointer such as mouse pointer in GUI  
system.

ADVANTAGE - Enables the person with poor eyesight or color  
blindness to distinguish the pointer from the background or  
foreground colors displayed on display screen.

DESCRIPTION OF DRAWING (S) - The figure shows the diagram  
displaying the function of pointer overlapping several different  
objects on the screen.

pp; 9 DwgNo 3/4

Title Terms: GRAPHICAL; USER; INTERFACE; SYSTEM; COMPUTER; DISPLAY; PORTION  
; POINT; CONTRAST; COLOUR ; BASED; COLOUR ; BACKGROUND ; FOREGROUND;  
PORTION; DISPLAY; SCREEN; PORTION; POINT; DISPLAY

Derwent Class: P85; T01  
International Patent Class (Main): G09G-005/08  
File Segment: EPI; EngPI

35/5/12 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015149459 \*\*Image available\*\*  
WPI Acc No: 2003-209986/200320  
XRPX Acc No: N03-167478

Differentiable dialog box creation for computer graphic involves

drawing dialog box boundary using reserved color so that  
created dialog box can be visually differentiated  
Patent Assignee: BUGE E L (BUGE-I); KANUNGO R (KANU-I)  
Inventor: BUGE E L; KANUNGO R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
US 20030007004 A1 20030109 US 2001883008 A 20010614 200320 B

Priority Applications (No Type Date): US 2001883008 A 20010614

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20030007004 A1 15 G06F-003/00

Abstract (Basic): US 20030007004 A1

NOVELTY - The method involves receiving a dialog box creating  
command including the selected background color of a dialog box  
. A dialog box background is drawn using the value of the  
selected background color. A dialog box boundary is drawn  
using a color, reserved by the operating system of a platform,  
so that the created dialog box can be visually differentiated  
from the displayed background.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

(a) a color selection method for drawing of dialog box ;  
(b) and a dialog box graphical user interface generating  
method.

USE - Applicable for computer graphic.

ADVANTAGE - Enables by-passing of an indexing operation implemented  
in creating cross - platform compatible colors, thus providing  
efficient, simple and inexpensive method for creation of  
differentiable dialog box.

DESCRIPTION OF DRAWING (S) - The figure shows the flowchart  
diagram of operation for creation of dialog box having boundary  
differentiable from displayed background.

pp; 15 DwgNo 4A/4

Title Terms: DIALOGUE; BOX; CREATION ; COMPUTER; GRAPHIC; DRAW ; DIALOGUE  
; BOX; BOUNDARY ; RESERVE; COLOUR ; SO; DIALOGUE; BOX; CAN; VISUAL;  
DIFFERENTIAL

Derwent Class: T01

International Patent Class (Main): G06F-003/00

File Segment: EPI

35/5/13 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014666949 \*\*Image available\*\*  
WPI Acc No: 2002-487653/200252  
XRPX Acc No: N02-385295

Pixel values translation support method for conferencing application in  
network, involves replacing default color map ID and black/white  
pixel ID's with newly generated IDs and forwarding master reply to  
windows application

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: ANSBERRY C M; FUQUA T W  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No Kind Date Applicat No Kind Date Week  
US 6356275 B1 20020312 US 95387505 A 19950213 200252 B

Priority Applications (No Type Date): US 95387505 A 19950213

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6356275 B1 6 G09G-005/02

Abstract (Basic): US 6356275 B1

NOVELTY - A **color map** is generated on each server in a conference in response to server connection request received from windows application. Black and white pixel IDs are allocated in **color map** and the generated **color map** is installed on each server. When the reply from server is received, the default **color map** ID and black and white pixel IDs are replaced with newly generated IDs and a master reply is sent to the windows application.

USE - For conferencing an application over a group of servers in a **heterogeneous network**.

ADVANTAGE - Allows the applications displayed with **colors** that are close to the **colors** supported by the servers.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of the method of supporting translating pixel IDs.

pp; 6 DwgNo 1/1

Title Terms: PIXEL; VALUE; TRANSLATION; SUPPORT; METHOD; APPLY; NETWORK;

REPLACE; DEFAULT; **COLOUR**; **MAP**; ID; BLACK; WHITE; PIXEL; ID; NEW;

GENERATE; FORWARDING; MASTER; REPLY; **WINDOW**; APPLY

Derwent Class: P85; T01; W02

International Patent Class (Main): **G09G-005/02**

File Segment: EPI; EngPI

35/5/14 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013842467 \*\*Image available\*\*

WPI Acc No: 2001-326680/200134

Related WPI Acc No: 1994-217166; 1995-023096; 1996-159935; 1998-260678;  
1998-506229

XRPX Acc No: N01-234806

**Web page design for adaptively resizing web page banners, using Hyper Text Markup Language (HTML) tables containing fixed and Internet browser adjustable variable width cells**

Patent Assignee: HEWLETT-PACKARD CO (HEWP )

Inventor: VOTIPKA B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6185589	B1	20010206	US 98127185	A	19980731	200134 B

Priority Applications (No Type Date): US 98127185 A 19980731

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6185589	B1		9	G06F-017/25	

Abstract (Basic): US 6185589 B1

NOVELTY - Web page banners are constructed in parts using HTML coded tables, with horizontally aligned cells comprising fixed-width and adjustable, variable-width cells. Solid **background color** is embedded across fixed cell first portion and second across variable width cell. Foreground has transparency enabled graphical interchange format (GIF) image, which allows first portion of solid **background color** in fixed-width cell to appear through transparent **background** of GIF. Internet browser adjusts width of variable-width cell so that width of table matches the width of **window** while fixed width cell maintains their relative position with respect to table width.

DETAILED DESCRIPTION - INDEPENDENT CLAIM is also included for a method for generating an adjustable web page banner.

USE - Web page design, which allows resizing web page banners to cover the entire width of the web page display **window**.

ADVANTAGE - Allows web page designers to design horizontal visual banner devices that can be reused for different **window** widths without requiring a **separate** banner for each width. The designer need only define the elements on the banner e.g. product name, company logo and then implement a Hyper Text Markup Language table.

DESCRIPTION OF **DRAWING** (S) - HTML implemented banner.  
pp; 9 DwgNo 4/4  
Title Terms: WEB; PAGE; DESIGN; ADAPT; WEB; PAGE; HYPER; TEXT; LANGUAGE;  
TABLE; CONTAIN; FIX; ADJUST; VARIABLE; WIDTH; CELL  
Derwent Class: T01; W01  
International Patent Class (Main): **G06F-017/25**  
File Segment: EPI

35/5/15 (Item 9 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013565360 \*\*Image available\*\*  
WPI Acc No: 2001-049567/200106  
XRPX Acc No: N01-038031

**Keyboard for children, dyslexics, has green frame and yellow keys on which black letters with bigger font size and associated picture is provided**

Patent Assignee: COWLEY M J (COWL-I); PETER M (PETE-I)  
Inventor: COWLEY M J; PETER M  
Number of Countries: 090 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200054136	A2	20000914	WO 2000ZA40	A	20000302	200106 B
AU 200036335	A	20000928	AU 200036335	A	20000302	200106

Priority Applications (No Type Date): ZA 991857 A 19990309  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200054136	A2	E	11	G06F-003/023	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200036335 A G06F-003/023 Based on patent WO 200054136

Abstract (Basic): WO 200054136 A2

NOVELTY - The frame or **background** and the keys, are of **colors** green and yellow. Black letters which bigger font size is provided on yellow key. Alphabetical and numerical keys are easily recognizable by associated pictures and countable dots on respective keys. All the other functional keys are represented by pictures to form an association as to what the function of the key is.

USE - For teaching children, dyslexia/poor readers, preschool children, wanting pre-emptive start on school education system, mentally handicapped, illiterate adults, foreign mother tongue people who wish to learn English.

ADVANTAGE - Enhances **user interface** since the keys and pictures are presented in distinctive **colors** and the font size of letters are of bigger size than normal. Eliminates problems in **distinguishing** foreground from **background** by providing yellow keys in green **background**.

DESCRIPTION OF **DRAWING** (S) - The figure shows outlay of keyboard.  
pp; 11 DwgNo 1/3

Title Terms: KEYBOARD; CHILD; GREEN; FRAME; YELLOW; KEY; BLACK; LETTER;  
FONT; SIZE; ASSOCIATE; PICTURE  
Derwent Class: S05; T04  
International Patent Class (Main): **G06F-003/023**  
File Segment: EPI

35/5/16 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013265389     \*\*Image available\*\*

WPI Acc No: 2000-437294/200038

XRPX Acc No: N00-327197

**Color display circuit for personal computer, switches memory unit for color pallets corresponding to window displayed on screen, for converting display data to color data**

Patent Assignee: DIGITAL KK (DIGI-N)

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000155564	A	20000606	JP 98332255	A	19981124	200038    B

Priority Applications (No Type Date): JP 98332255 A 19981124

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000155564	A	8	G09G-005/06	

Abstract (Basic): JP 2000155564 A

NOVELTY - The display circuit has memory units (24a-24d) **storing color pallets** corresponding to number of associated **windows** that are displayable on the screen. At the time of display of a window, the corresponding memory unit is switched and the display data (25) are converted to color data (23).

USE - For personal computer.

ADVANTAGE - As **windows** are associated with color pallets stored in memory, unjust color display can be eliminated.

DESCRIPTION OF DRAWING(S) - The figure shows the component of color display circuit.

Color data (23)

Memory units (24a-24d)

Display data (25)

pp; 8 DwgNo 1/10

Title Terms: DISPLAY; CIRCUIT; PERSON; COMPUTER; SWITCH; MEMORY; UNIT;

PALLET; CORRESPOND; WINDOW; DISPLAY; SCREEN; CONVERT; DISPLAY; DATA; DATA

Derwent Class: P85; T04

International Patent Class (Main): **G09G-005/06**

International Patent Class (Additional): **G09G-005/14**

File Segment: EPI; EngPI

35/5/17        (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013203133     \*\*Image available\*\*

WPI Acc No: 2000-375006/200032

XRPX Acc No: N00-281584

**Schedule controller icon for computer graphic user interface , provides web page link on GUI within threshold distance of preset location so that icon subscription is assigned as update schedule of set location**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: PICKOVER C A

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6057834	A	20000502	US 9897197	A	19980612	200032    B

Priority Applications (No Type Date): US 9897197 A 19980612

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6057834	A	17	G06F-003/00	

Abstract (Basic): US 6057834 A

NOVELTY - Schedule controller icon has several locations that have several graphical attributes and each location is associated with a



subscription schedule rate. Several icons representing several web page links, are provided on **graphical user interface** with in a threshold distance of primary location, so that the subscription for icon is assigned as an update schedule of the primary location.

DETAILED DESCRIPTION - If the threshold distance becomes zero, the icon is dropped on schedule controller icon primary location. The locations are continuous visual index which are interpolated. The graphical attributes have characteristics like **color**, brightness, text font texture, outline, blink rate, shape and size, etc. The location is a **distinguished** region of the **graphical user interface** and is **distinguished** by the characteristics.

USE - For **graphical user interface** of computer system to alter world wide web page subscriptions on computer screen and screen of television, kiosks, personal digital assistance (PDA), automatic teller machine (ATM) and other appliances such as camera, video recorder, ovens, instrument consoles, etc used in three-D virtual reality environments. Also for transferring discrete information from one computer to another over communication network.

ADVANTAGE - Drags web pages represented by icons to consolidated icons that visually consolidate a group of web page icons, so that user can get an immediate feeling for organization of web page links by topic and class. Touch screens are useful to move graphical objects to SCIs. Schedule controller icons has infinitely long update time and no subscription is available, thereby visually clustering the adjacent iconic short cuts located anywhere on the desktop. Icon **colors** is also controlled by **operating system** and is performed when **operating system** changes update schedule time.

DESCRIPTION OF DRAWING(S) - The figure shows monitor with graphical images or selectable items on its graphical interface.

pp; 17 DwgNo 2/8

Title Terms: SCHEDULE; CONTROL; COMPUTER; GRAPHIC; USER; INTERFACE; WEB; PAGE; LINK; THRESHOLD; DISTANCE; PRESET; LOCATE; SO; SUBSCRIBER; ASSIGN; UPDATE; SCHEDULE; SET; LOCATE

Derwent Class: T01

International Patent Class (Main): **G06F-003/00**

File Segment: EPI

**35/5/18 (Item 12 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012924336 \*\*Image available\*\*

WPI Acc No: 2000-096172/200008

XRPX Acc No: N00-074243

**Application execution control method for graphical user interface used in operating system in computer**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: EASTWOOD P; HAPP A; LORING K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6002400	A	19991214	US 97974590	A	19971119	200008 B

Priority Applications (No Type Date): US 97974590 A 19971119

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6002400	A	12	G06F-003/14	

Abstract (Basic): US 6002400 A

NOVELTY - The edge of one of the handles (34) is aligned with the edge of the desktop. The handles are displayed along Z-axis in defined position. The handle is activated by the mouse cursor (40) to execute the application and **window** is displayed at foremost position along Z-axis,

DETAILED DESCRIPTION - The handle is dynamically sized to fill the edge of the desktop. The visual features of the handles are selected to

identify the handles. The handles have thickness as 3-20 pixels extending from the desktop edge. INDEPENDENT CLAIMS are also included for the following:

(a) application execution regulating software;

(b) computer **user interface** desktop controllable by pointer

USE - For controlling application execution in **graphical user interface** used in **operating system** like OS/2, windows 95 in computer.

ADVANTAGE - Enables easy control of access to computer application, files, directories and **window** associated with application. Reduces tactile effort required to position cursor on handle by positioning handle at edge of desktop. Improves operator's attention by providing spin, animation and flash to handle. Enables efficient and quick accessing of application by handle without need for start menu tool bar. Since the identification of the handles is primarily location based with available pop-up help to identify the purpose of a particular handle, the relative size of the handle can be minimized. Enables arbitrary usage of handles between applications and parts of applications by **distinguishing** application and pop-up child **window**. Enables automatic creation of handles for any object or icon such as folder, file or application. Enables automatic assignment of unique **color**, pattern, position or animation characteristics to new handles.

DESCRIPTION OF DRAWING(S) - The figure shows diagram of desktop in which handles are generated.

Handle (34)

Mouse cursor (40)

pp; 12 DwgNo 3/6

Title Terms: APPLY; EXECUTE; CONTROL; METHOD; GRAPHICAL; USER; INTERFACE; OPERATE; SYSTEM; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-003/14

File Segment: EPI

35/5/19 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012216653

WPI Acc No: 1999-022759/199902

XRPX Acc No: N99-017424

**Web page findability assessment tool - runs program in background in separate thread or task to take each word in current section and uses configuration file to specify context search string required to locate returned count from web page sent by particular search engine**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 415122	A	19981110	RD 98415122	A	19981020	199902 B

Priority Applications (No Type Date): RD 98415122 A 19981020

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
RD 415122	A		2	G06F <sup>2</sup> 000/00	

Abstract (Basic): RD 415122 A

As the user composes the web page, types a title, headings, text, keywords and other content, a thread in the **background** requests searches from one or more internet search engines based on single words, pairs or words and word triples. The retrievals usually come back with a count of the number of hits per the search engine's data base. The number of hits are displayed in a **separate window** and/or by **colouring** the words in question according to a graduated **colour** code. By looking at this information, the user can add words or change words in parts of the document to **make** it more unique and findable. The program in the **background** runs in a **separate** thread or task. It

takes each word in the current section being edited (title, heading, paragraph ... ) and discards words in a short list of common English fillers ('the', 'of', 'a' ...) and sends each remaining word to a search engine.

The page returned from the search engine is not displayed. Instead, a configuration file is used to specify the context search string required to locate the returned count from the web page sent by the particular search engine. These numbers are then displayed next to the words. If a word is repeated from a prior search, it need not be retrieved again. When the single words have been retrieved, then the task works on adjacent pairs of words, followed by no-adjacent pairs of words. If the next section contains new enough words, triples can also be retrieved. The numbers are displayed next to the words and word combination in a scrollable, resizable list box.

Dwg.0/0

Title Terms: WEB; PAGE; ASSESS; TOOL; RUN; PROGRAM; **BACKGROUND ; SEPARATE**  
; THREAD; TASK; WORD; CURRENT; SECTION; CONFIGURATION; FILE; SPECIFIED;  
CONTEXT; SEARCH; STRING; REQUIRE; LOCATE; RETURN; COUNT; WEB; PAGE; SEND;  
SEARCH; ENGINE

Derwent Class: T01

International Patent Class (Main): **G06F-000/00**

File Segment: EPI

**35/5/20 (Item 14 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

011302527 \*\*Image available\*\*

WPI Acc No: 1997-280432/199725

XRPX Acc No: N97-232375

**Computer graphics raster image refresh system - includes display mode  
processor mapping input display data into addresses to colour look-up  
tables for each display window according to display mode format specified  
by control information**

Patent Assignee: HEWLETT-PACKARD CO (HEWP )

Inventor: CHERRY R W; HANDGEN E A; REAK B D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5629720	A	19970513	US 91650513	A	19910205	199725 B
			US 9339551	A	19930329	
			US 95427467	A	19950424	

Priority Applications (No Type Date): US 91650513 A 19910205; US 9339551 A  
19930329; US 95427467 A 19950424

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5629720	A	15	G09G-005/14	Cont of application US 91650513 Cont of application US 9339551

Abstract (Basic): US 5629720 A

The computer graphics system includes a unit processing input display data for display. A window-specific colour lookup table for each display window of the display device stores colour values of pixels to be displayed within corresponding display windows of the display device. Each window-specific colour lookup table has colour values stored in a format of one of numerous display modes for pixels to be displayed within a corresponding display window of the display.

A display mode processor maps the processed input display data into addresses to the window-specific colour lookup tables. The processor includes memory holding window-specific control information for each window of the display unit and outputting window specific control information including display mode data specifying which display mode will be used to display the input display data. A unit converts the processed input display data into addresses

to the colour lookup table in accordance with the display mode format for the selected display window specified by the control information.

ADVANTAGE- Avoids burdening CPU while supporting independent display modes and red, green and blue colour look-up tables for each window in multi-window environment. Can map window specific pixel values into addresses for **colour** look-up tables. **Keeps** track of window-specific attributes and refreshes window images according to attributes.

Dwg.2/6

Title Terms: COMPUTER; GRAPHIC; RASTER; IMAGE; REFRESH; SYSTEM; DISPLAY; MODE; PROCESSOR; MAP; INPUT; DISPLAY; DATA; ADDRESS; COLOUR; UP; TABLE; DISPLAY; WINDOW; ACCORD; DISPLAY; MODE; FORMAT; SPECIFIED; CONTROL; INFORMATION

Derwent Class: P85; T01

International Patent Class (Main): G09G-005/14

File Segment: EPI; EngPI

35/5/21 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010955448 \*\*Image available\*\*

WPI Acc No: 1996-452398/199645

XRFX Acc No: N96-381529

**Graphical processor e.g. computer support design system - includes colour display part which applies colour scheme to on screen element after selecting colour which is easily distinguishable from colours currently not used on screen**

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8227448	A	19960903	JP 9531247	A	19950220	199645 B

Priority Applications (No Type Date): JP 9531247 A 19950220

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8227448	A	5	G06T-001/00	

Abstract (Basic): JP 8227448 A

The processor includes a central processing unit (1) which processes demanded information. A display device (2) displays the window, pattern element, character, etc. Input units (3) e.g. keyboard, mouse inputs data such as a character, a numerical value and a position. A main memory (4) stores the program counter under execution of an **operating system** e.g. **window system**.

The processor also has a secondary storage (5) which stores a database, a preservation area, etc. The secondary storage has a used **colour** detector (8) which detects the **colour** currently used on the screen. An enhancement **colour** sorter part selects a **colour** which is easily **distinguished** out of the **colour** currently not used on the screen. A **colour** display part (6) performs a **colour** scheme to an on screen element.

ADVANTAGE - Recognises element on screen easily without encountering complicated operations.

Dwg.1/6

Title Terms: GRAPHICAL; PROCESSOR; COMPUTER; SUPPORT; DESIGN; SYSTEM; **COLOUR**; DISPLAY; PART; APPLY; **COLOUR**; SCHEME; SCREEN; ELEMENT; AFTER; SELECT; **COLOUR**; EASY; **DISTINGUISH**; **COLOUR**; CURRENT; SCREEN

Derwent Class: T01

International Patent Class (Main): G06T-001/00

International Patent Class (Additional): G06F-017/50

File Segment: EPI

35/5/22 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

010403355 \*\*Image available\*\*  
WPI Acc No: 1995-304669/199540

**Colour input unit for clothes - reads colour information currently assigned to part corresponding to operation element from memory**

Patent Assignee: CASIO COMPUTER CO LTD (CASK )  
Inventor: AOYAMA T; HASHIMOTO K; KOJO T; MOROOKA E; OSHIMA  
Number of Countries: 002 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7200125	A	19950804	JP 93353811	A	19931228	199540 B
US 5579034	A	19961126	US 94359033	A	19941219	199702

Priority Applications (No Type Date): JP 93353811 A 19931228

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7200125	A		7	G06F-003/023	
US 5579034	A		13	G09G-005/00	

Abstract (Basic): JP 7200125 A

The colour input unit uses different colour information which are assigned for each part for its correspondence with the operation element. Many sheets (9 -11) are arranged on a selective target on the predetermined surface. A memory stores assigned colour data of the sheets.

Over the predetermined surface, two selected sheets by a selector (3) are arranged. For the above arrangement, the colour information currently assigned to the corresponding part of the operation element is input from the memory. For assigning the colour to sheets, six **windows** (14), a colour specification key (7) are used. The colour specification key consists of six keys (A - F). The selector consists of three keys (3), near a display part (2). The colour specification is arranged on other side surface of an appts. main part (1) which uses input colours.

ADVANTAGE - Enables inputs of many colour information by reduced number of operation. Reduces size of appts.

Dwg.1/10

Title Terms: COLOUR; INPUT; UNIT; CLOTHING; READ; COLOUR; INFORMATION;  
CURRENT; ASSIGN; PART; CORRESPOND; OPERATE; ELEMENT; MEMORY

Derwent Class: P21

International Patent Class (Main): G06F-003/023 ; G09G-005/00

International Patent Class (Additional): A41H-043/00

File Segment: EngPI

**35/5/23 (Item 17 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

010205272  
WPI Acc No: 1995-106526/199514  
XRPX Acc No: N95-084315

**Data processing system for colour video system providing high resolution display for multiple virtual DOS applications - has palette data register for storing triplets of colour data that control colours of pixels**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: BODIN W K  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5394519	A	19950228	US 94176589	A	19940103	199514 B

Priority Applications (No Type Date): US 94176589 A 19940103

Patent Details:

Abstract (Basic): US 5394519 A

The appts includes a colour video system comprising  
a colour monitor having a number of pixels for displaying images, a  
video memory for storing digital data defining pixel colours from a  
pallet of colours, a video controller for selectively activating the  
pixels in accordance with the analogue input signals, a DA converter  
(DAC) for converting digital data from the video memory into the  
analogue input signals, a first memory device for storing an **operating  
system** and an application program, and first processing device for  
running the application program under the **operating system**,  
switching the application between a foreground mode and a second mode.

The second processing device saving DAC state data in the second  
memory device in response to **operating system** switching the  
application program from foreground mode to second mode comprises first  
device for writing palette data from the PDR into the DAC palette data  
register of the second memory device, second device for writing index  
from one of the PARs into the DAC index register of the second memory  
device and a third device generating and storing in the triplet pointer  
register a triplet pointer indicative of which triplet was being  
accessed in the PDR when the application was switched from the  
foreground mode.

USE/ADVANTAGE - Provides improved video driver for operating  
palette registers in a video sub-system without trapping foreground  
accesses to such registers. Provides high performance special video  
effects, using DAC to provide fade-in fade-out effect.

Dwg.1/3

Title Terms: DATA; PROCESS; SYSTEM; COLOUR; VIDEO; SYSTEM; HIGH; RESOLUTION  
; DISPLAY; MULTIPLE; VIRTUAL; APPLY; PALLET; DATA; REGISTER; STORAGE;  
TRIplet; COLOUR; DATA; CONTROL; COLOUR; PIXEL

Derwent Class: T01; U21

International Patent Class (Main): G06F-015/62

File Segment: EPI

35/5/24 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009713508 \*\*Image available\*\*

WPI Acc No: 1993-407061/199351

XRFX Acc No: N93-315077

Generating method for colour maps in windowing display system e.g. X-  
windows system - involves overwriting selected portion of copy of shared  
colour map with user-determined colour map and copying modified colour  
map into area of storage assigned to private colour map for window

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: GRIFFITHS E

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 574630	A1	19931222	EP 92305669	A	19920619	199351 B
EP 574630	B1	19970319	EP 92305669	A	19920619	199716
DE 69218420	E	19970424	DE 618420	A	19920619	199722
			EP 92305669	A	19920619	
US 5664130	A	19970902	US 9377907	A	19930615	199741
			US 95544358	A	19951017	

Priority Applications (No Type Date): EP 92305669 A 19920619

Cited Patents: 01Jnl.Ref; EP 210423; EP 482746; US 5025249; WO 9207349

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 574630 A1 E 10 G09G-005/06

Designated States (Regional): DE FR GB

EP 574630 B1 E 11 G09G-005/06

Designated States (Regional): DE FR GB  
DE 69218420 E G09G-005/06 Based on patent EP 574630  
US 5664130 A 7 G06F-003/14 Cont of application US 9377907

Abstract (Basic): EP 574630 A

The method involves generating a private colour map for a window in a windowing display system of the type having storage locations (25) for **storing** a **colour** map which determines the colours displayed in the system corresp. to particular pixel values. A shared colour map is generated by assigning screen colours to pixel values dynamically as the screen colours are required by tasks using the system.

The system allows some of the **windows** to have a private colour map which can be copied into the storage locations when the corresponding window is activated. A selected portion of a copy of the shared colour map is overwritten with a user-determined colour map of the same size as the selected portion to form a modified colour map. The modified colour map is copied into an area of storage (27) assigned to the private colour map for the window.

ADVANTAGE - Flashing avoided.

Dwg.4/6

Title Terms: GENERATE; METHOD; COLOUR; MAP; DISPLAY; SYSTEM; WINDOW; SYSTEM ; SELECT; PORTION; COPY; SHARE; COLOUR; MAP; USER; DETERMINE; COLOUR; MAP ; COPY; MODIFIED; COLOUR; MAP; AREA; STORAGE; ASSIGN; PRIVATE; COLOUR; MAP; WINDOW

Derwent Class: P85; T01

International Patent Class (Main): G06F-003/14 ; G09G-005/06

International Patent Class (Additional): G09G-005/14

File Segment: EPI; EngPI

35/5/25 (Item 19 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

009603250 \*\*Image available\*\*  
WPI Acc No: 1993-296798/199338  
XRPX Acc No: N93-228769

Graphical user interface **computer system element adjusting system - includes palette managers which are accessible via windows and responsive to pointers**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: ANDREW C; BLOOMFIELD M A

Number of Countries: 004 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 561517	A1	19930922	EP 93301396	A	19930225	199338 B
US 5371844	A	19941206	US 92855369	A	19920320	199503

Priority Applications (No Type Date): US 92855369 A 19920320

Cited Patents: 03Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 561517	A1	E	29	G06F-003/033	
-----------	----	---	----	--------------	--

Designated States (Regional): DE FR GB

US 5371844	A	25	G06F-005/06
------------	---	----	-------------

Abstract (Basic): EP 561517 A

The system includes palette managers each having a number of element values. The palette managers are accessible via a **window** and are responsive to a **pointer**. One of the element values are selected via the **pointer**. The selected element value is dragged to an element to be updated.

The selected element value is dropped on the element to be updated. The dropping causes the element to be updated to correspond to the selected value. The palette manager element values represent either text, **colour** or a scheme. Each palette manager is represented on a display device by an icon.

USE/ADVANTAGE - For e.g. updating colour of menu bar of window .  
Individual elements of operating system may be quickly and easily modified.

Dwg.4a/9

Title Terms: GRAPHICAL; USER; INTERFACE; COMPUTER; SYSTEM; ELEMENT; ADJUST;  
SYSTEM; PALLET; ACCESS; WINDOW ; RESPOND; POINT

Derwent Class: T01

International Patent Class (Main): G06F-003/033 ; G06F-005/06

File Segment: EPI

35/5/26 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009100169 \*\*Image available\*\*

WPI Acc No: 1992-227599/199228

XRPX Acc No: N92-173023

Automatic distinguishing system for text and graphic image data - has  
buffer circuit storing digitised image data according to address  
generated from scanner line end signal or outputting it to data bus

Patent Assignee: LG ELECTRONICS INC (GLDS ); GOLDSTAR CO LTD (GLDS ); LG  
ELECTRONICS INC (LGEL-N); KINSEISHA KK (GLDS )

Inventor: KANG M S

Number of Countries: 006 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 494026	A2	19920708	EP 91403567	A	19911231	199228 B
JP 4296163	A	19921020	JP 91347280	A	19911227	199248
EP 494026	A3	19921104	EP 91403567	A	19911231	199342
KR 9310845	B1	19931112	KR 9023060	A	19901231	199439
US 5375197	A	19941220	US 91816040	A	19911230	199505
EP 494026	B1	19970402	EP 91403567	A	19911231	199718
DE 69125471	E	19970507	DE 625471	A	19911231	199724
			EP 91403567	A	19911231	

Priority Applications (No Type Date): KR 9023060 A 19901231

Cited Patents: No-SR.Pub; 1.Jnl.Ref; EP 397428; EP 404236

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 494026	A2	E	10	H04N-001/40	
-----------	----	---	----	-------------	--

Designated States (Regional): DE FR GB

JP 4296163	A		6	H04N-001/40	
------------	---	--	---	-------------	--

US 5375197	A		9	G06F-015/62	
------------	---	--	---	-------------	--

EP 494026	B1	E	12	H04N-001/40	
-----------	----	---	----	-------------	--

Designated States (Regional): DE FR GB

DE 69125471	E			H04N-001/40	Based on patent EP 494026
-------------	---	--	--	-------------	---------------------------

EP 494026	A3			H04N-001/40	
-----------	----	--	--	-------------	--

KR 9310845	B1			H04N-005/262	
------------	----	--	--	--------------	--

Abstract (Basic): EP 494026 A

The system converts a scanner analogue image signal into digital image data, and generates an address from a line end signal from the scanner. A buffer circuit stores the image data according to this address, or outputs stored image data via a data bus in accordance with an external address to a microprocessor controlling the system.

The microprocessor distinguishes between text and graphic portions of image data. It may do this by setting distinguishing windows according to block average and background colour illumination, and performing edge alignment and delay correction procedures.

ADVANTAGE - Processes input signal in real time, avoids software overload and can be adapted to provide halftone treatment.

Dwg.1/4

Title Terms: AUTOMATIC; DISTINGUISH ; SYSTEM; TEXT; GRAPHIC; IMAGE; DATA;  
BUFFER; CIRCUIT; STORAGE; DIGITAL; IMAGE; DATA; ACCORD; ADDRESS;

GENERATE ; SCAN; LINE; END; SIGNAL; DATA; BUS

Derwent Class: T01; W02



International Patent Class (Main): G06F-015/62 ; H04N-001/40; H04N-005/262  
File Segment: EPI

35/5/27 (Item 21 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

008763274 \*\*Image available\*\*  
WPI Acc No: 1991-267288/199136  
XRPX Acc No: N91-204049

**Tone scale transformation for X-ray images - using histogram entropy of input image, and determines entropies of foreground and background threshold**

Patent Assignee: EASTMAN KODAK CO (EAST )  
Inventor: AJEWOLE I A; SCHAETZING R; AJEWOLE I  
Number of Countries: 015 Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9112540	A	19910822				199136 B
US 5046118	A	19910903	US 90475522	A	19900206	199138
EP 466907	A	19920122	EP 91904391	A	19910130	199204
JP 4505228	W	19920910	JP 91504478	A	19910130	199243
			WO 91US641	A	19910130	
EP 466907	B1	19950809	EP 91904391	A	19910130	199536
			WO 91US641	A	19910130	
DE 69111932	E	19950914	DE 611932	A	19910130	199542
			EP 91904391	A	19910130	
			WO 91US641	A	19910130	

Priority Applications (No Type Date): US 90475522 A 19900206  
Cited Patents: 2.Jnl.Ref; FR 2450471; GB 2148658; GB 2161670; US 3893166;  
US 4682028

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9112540	A				
					Designated States (National): JP
					Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE
EP 466907	A				
					Designated States (Regional): DE FR GB
JP 4505228	W	8		G06F-015/68	Based on patent WO 9112540
EP 466907	B1 E	18		G01T-001/29	Based on patent WO 9112540
					Designated States (Regional): DE FR GB
DE 69111932	E			G01T-001/29	Based on patent EP 466907
					Based on patent WO 9112540

Abstract (Basic): WO 9112540 A

The method for generating automatically **tone** scale transformation functions which obviates the need to store a number of reference transformation functions, consists of the following steps; Forming a histogram of the digital input image **produced** by a scanner used on a conventional X ray image; then dividing such histogram into a Region of Interest (ROI) and a **background** region; and finally constructing a **tone** scale transformation function having a linear portion substantially over the region of interest (ROI) smoothly joined with a first portion extending from the start of the histogram to the linear portion and a second portion extending from the linear portion to the beginning of the **background** region.

The histogram of the digital input image is **generated** using a Digital Input Processor (DIP); and from this histogram, level representing the **background** grey level of the image is computed using foreground and **background** threshold; then the determined **background** grey level, a region of interest (ROI) is sorted. A **tone** scale transformation curve is then computed and stored in the form of Look Up Table (LUT).

USE/ADVANTAGE - Digital image processing and X ray systems;  
Automatic and reliable method for generating **tone** scale

transformation functions for digital input images which ensures no clipping, and achieves good contrast and high quality output image.

Dwg.4/10

Title Terms: **TONE** ; SCALE; TRANSFORM; X-RAY; IMAGE; HISTOGRAM; ENTROPY;  
INPUT; IMAGE; DETERMINE; FOREGROUND; **BACKGROUND** ; THRESHOLD  
Derwent Class: P31; S03; S05; T01; T04; W02; W04  
International Patent Class (Main): G01T-001/29; **G06F-015/68**  
International Patent Class (Additional): A61B-006/00; G06K-009/36;  
G06T-005/50  
File Segment: EPI; EngPI

35/5/28 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

008669010 \*\*Image available\*\*

WPI Acc No: 1991-173031/199124

XRPX Acc No: N91-132581

**Colour palate colour translation circuit for video display device -  
provides displays of number of windows or regions of colour information  
on CRT using five planes of video memory**

Patent Assignee: ADVANCED MICRO DEVICES INC (ADMI )

Inventor: BAKHMUTSKY D M

Number of Countries: 014 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 431754	A	19910612	EP 90312089	A	19901105	199124 B
JP 3182796	A	19910808	JP 90341159	A	19901129	199138

Priority Applications (No Type Date): US 89447306 A 19891207

Cited Patents: 1.Jnl.Ref; A3...9133; EP 168144; EP 329892; EP 392551;  
NoSR.Pub; US 4550315

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 431754	A				

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

Abstract (Basic): EP 431754 A

The circuit has a memory having M addressable locations for storing digital information representative of displayable colours and supplying binary as output from the memory in response to addressing the storage locations. The memory includes a first group of addressable locations for **storing colour** information for the first region. A second group of addressable locations **store colour** information for the second region and an output provides digital signals from the addressable locations.

A monitor circuit has inptus for receiving pixel position information and an output coupled to the memory, which stores information indicative of the boundaries on the screen of the first and second regions and compares pixel position information with the stored region boundary information.

ADVANTAGE - Reduces need for large number of video memory planes, thus reducing cost of system. (9pp Dwg.No.3/4

Title Terms: COLOUR; PALATE; COLOUR; TRANSLATION; CIRCUIT; VIDEO; DISPLAY; DEVICE; DISPLAY; NUMBER; WINDOW; REGION; COLOUR; INFORMATION; CRT; FIVE; PLANE; VIDEO; MEMORY

Derwent Class: P85; T04

International Patent Class (Additional): **G06F-015/62** ; **G09G-005/06** ;  
H04N-009/74

File Segment: EPI; EngPI

35/5/29 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

008556172    \*\*Image available\*\*  
WPI Acc No: 1991-060207/199109  
XRPX Acc No: N91-046682

**Making electronically- produced postcards - producing printed postcard  
carrying self-portrait of user integrated with pictorial background  
selected by user**

Patent Assignee: BARBER P L (BARB-I); IMAGEWARE SOFTWARE INC (IMAG-N)  
Inventor: BARBER P L  
Number of Countries: 004    Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2235347	A	19910227	GB 905696	A	19900314	199109 B
CA 2012721	A	19910221				199118
JP 4104572	A	19920407	JP 90220952	A	19900822	199220
GB 2235347	B	19940608	GB 905696	A	19900314	199420
US 5343386	A	19940830	US 89397172	A	19890821	199434
			US 92943131	A	19920910	
CA 2012721	C	19960326	CA 2012721	A	19900321	199623

Priority Applications (No Type Date): US 89397172 A 19890821; JP 90220952 A  
19900822; US 92943131 A 19920910

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4104572	A		15		
GB 2235347	B		3	H04N-007/18	
US 5343386	A		16	G06F-015/66	Cont of application US 89397172
CA 2012721	C			G06F-019/00	

Abstract (Basic): GB 2235347 A

An appts. housed in a booth for automatically producing printed postcards incorporating a self-portrait of the user integrated into a pictorial **background** includes a cash-receiving device (1) and a computer (19) triggered by cash received in the device (1). A video camera (7) is provided in the booth to view the user and a video monitor (9) displays the video camera image of the user.

A series of pictorial backgrounds in digitised electronic form stored in the computer for selective withdrawal therefrom by the user to be integrated with the user's image and a printer (25) obtains the integrated user's pose and pictorial **background** and prints it on a postcard (27) for immediate use.

ADVANTAGE - Fully automatic. (34pp Dwg.No.1/12

Title Terms: ELECTRONIC; **PRODUCE** ; POSTCARD; **PRODUCE** ; PRINT; POSTCARD;  
CARRY; SELF; PORTRAIT; USER; INTEGRATE; PICTURE; **BACKGROUND** ; SELECT;  
USER

Derwent Class: P83; T01; T05

International Patent Class (Main): **G06F-015/66** ; **G06F-019/00** ;  
H04N-007/18

International Patent Class (Additional): G03C-005/00; **G06F-015/21** ;  
G07F-017/00; H04N-001/38; H04N-005/26

File Segment: EPI; EngPI

35/5/30    (Item 24 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

008212554    \*\*Image available\*\*  
WPI Acc No: 1990-099555/199013  
Related WPI Acc No: 1990-099556  
XRPX Acc No: N90-076927

**Page memory control in raster colour image processor - use bit nap page  
memories for storing patterns representing primary colours of page to  
be printed**

Patent Assignee: EASTMAN KODAK CO (EAST )  
Inventor: HUNT W E; STATT D J; WARDA M R  
Number of Countries: 012    Number of Patents: 007  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9002385	A	19900308	WO 89US3539	A	19890818	199013 B
EP 396661	A	19901114	EP 89910320	A	19890818	199046
US 5003496	A	19910326	US 88236811	A	19880826	199115
JP 3500998	W	19910307	JP 89509343	A	19890818	199116
JP 4500182	W	19920116	JP 89509687	A	19890818	199209
EP 396661	B1	19950308	EP 89910320	A	19890818	199514
			WO 89US3539	A	19890818	
DE 68921611	E	19950413	DE 621611	A	19890818	199520
			EP 89910320	A	19890818	
			WO 89US3539	A	19890818	

Priority Applications (No Type Date): US 88236811 A 19880826

Cited Patents: EP 122430; US 4516139; US 4627002

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9002385	A	E	24		
Designated States (National): JP					
Designated States (Regional): AT BE CH DE FR GB IT LU NL SE					
EP 396661	A				
Designated States (Regional): DE FR GB					
EP 396661	B1	E	23	G06K-015/02	Based on patent WO 9002385
Designated States (Regional): DE FR GB					
DE 68921611	E			G06K-015/02	Based on patent EP 396661
Based on patent WO 9002385					

Abstract (Basic): WO 9002385 A

The processor includes a number of bit map page memories (30), one memory for storing a bit map of each of the primary colour components, having "write" (32), "write enable" (34) and address input.

Halftone tints (50) are applied to bit map objects stored in the page memory by applying tint bit patterns to the data input of the page memories, while a bit pattern representing the object applied to the write enable inputs of the page memories. The tint patterns are automatically and with the character and graphic data without the need for additional logic gates.

USE/ADVANTAGE For all prints addressable colour printer. Generating patterns, tints and **windows** proceeds automatically at a faster rate.

1/16

Title Terms: PAGE; MEMORY; CONTROL; RASTER; COLOUR; IMAGE; PROCESSOR; BIT;

NAP; PAGE; MEMORY; STORAGE; PATTERN; REPRESENT; PRIMARY; COLOUR; PAGE;

PRINT

Index Terms/Additional Words: LASER; PRINT; DOT; MATRIX

Derwent Class: P75; T01; T04

International Patent Class (Additional): B41J-002/52; B41J-005/30;

**G06F-015/20** ; G06K-015/02

File Segment: EPI; EngPI

35/5/31 (Item 25 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

007486815

WPI Acc No: 1988-120748/198818

SRPX Acc No: N88-091662

**Raster scan video system - uses frame buffer coupled to switching matrix to generate drive signals**

Patent Assignee: SILICONGRAPHICS INC (SILI-N)

Inventor: HANNAH M R

Number of Countries: 004 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3736195	A	19880428	DE 3736195	A	19871026	198818 B
GB 2198319	A	19880608	GB 8724844	A	19871023	198823
US 4772881	A	19880920	US 86923177	A	19861027	198840
GB 2198319	B	19910529				199122

CA 1290870 C 19911015 199150  
DE 3736195 C2 19971127 DE 3736195 A 19871026 199751

Priority Applications (No Type Date): US 86923177 A 19861027

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3736195	A		5		
US 4772881	A		4		
DE 3736195	C2		4	G09G-001/28	

Abstract (Basic): DE 3736195 A

A raster scan video display system has a buffer to store a data frame and this is scanned in order to control a CRT on a point-by-point basis for each pixel. For each pixel a total of 24 colour data bits and 2 colour mode bits are stored.

The 24 bits are transmitted over a bus to a switching matrix. Connections between the rows and columns are provided in a programming operation. The selected outputs are transmitted by a multiplexer to the monitor.

ADVANTAGE - Allows coloured display without requiring large memory capacity.

0/1

Title Terms: RASTER; SCAN; VIDEO; SYSTEM; FRAME; BUFFER; COUPLE; SWITCH; MATRIX; GENERATE; DRIVE; SIGNAL

Derwent Class: P85; T04

International Patent Class (Main): G09G-001/28

International Patent Class (Additional): G09G-001/02

File Segment: EPI; EngPI

Set	Items	Description
S1	10806	DIALOG()BOX? OR WINDOW OR SPLASH()SCREEN? OR GUI OR GUIS OR GRAPHIC?()USER()INTERFACE? OR (PULL OR DROP)()DOWN()MENU? OR (NAVIGAT? OR USER) (2N) (INTERFACE? OR CONNECT?) OR CONTENT?(2N-)BOX?
S2	69422	CREAT??? OR GENERATE? OR PRODUCE? OR DEVELOP? OR MAKE? ? OR ESTABLISH? OR DRAW???
S3	16210	BORDER? OR BOUNDARY OR LIMIT? OR RESTRICTION? OR LINE? OR - THRESHOLD
S4	5020	COLOR? OR COLOUR? OR HUE? OR SHADE? OR TINT? OR TONE?
S5	13834	RESERVE? OR STOR? ? OR STORING OR SAVE? OR SAVING OR KEEP? ? OR KEEPING
S6	38769	OPERATING()SYSTEM OR OS OR WINDOWS OR NT OR UNIX OR EXECUT- IVE? OR LINUX OR BIOS OR NBIOIS OR DOS OR SOLARIS OR VMS OR SU- NOS
S7	1470	BACKGROUND OR BACK()GROUND OR BACKDROP
S8	5607	DIFFERENTIAT? OR DISCRIMINAT? OR DISCERN? OR SEPARATE? OR - DISTINGUISH?
S9	5373	MAP OR MAPS OR MAPPED OR MAPPING
S10	104	(PREVIOUSLY OR ALREADY OR PRIOR? OR BEFORE OR EARLIER OR F- ORMERLY) (2N) (DEFINE? OR DEFINING OR SPECIF? OR DESCRIB? OR ST- IPULAT? OR DESIGNAT?)
S11	14727	CROSS()PLATFORM? OR OPERATING()SYSTEM? OR HETEROGENEOUS()N- ETWORK? OR NETSCAPE()NAVIGATOR OR INTERNET()EXPLORER OR IE OR MOSAIC
S12	138	S1 AND S2 AND S3 AND S4
S13	27	S4 (3N) S5 AND S6
S14	5	S1 AND S2 AND S4 AND S7 AND S8
S15	3	(S7 (3N) S4) AND (S4 (3N) S5)
S16	3	S13 AND S6 AND S7
S17	3	S13 AND S7
S18	3	S12 AND S13
S19	1	S1 AND S8 AND S10
S20	97	S1 AND S4 AND S11
S21	10	S20 AND S7
S22	1	S20 AND S10
S23	1	S20 AND S9
S24	7	S20 AND S8
S25	21	S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S22 OR S23 OR S24
S26	21	S25 NOT PY>2001
S27	21	S26 NOT PD>20010619

File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Dec  
(c)2004 Info.Sources Inc

27/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

01681709 DOCUMENT TYPE: Product

**PRODUCT NAME: Extensis Mask Pro 2.0 (681709)**

Extensis Inc (593028)  
1800 SW 1st Ave #500  
Portland, OR 97201-5322 United States  
TELEPHONE: (503) 274-2020

RECORD TYPE: Directory

CONTACT: Sales Department

Extensis Mask Pro 2.0 can reduce the time it takes to mask and select complex objects using Adobe Photoshop. Features include IntelliBrush and IntelliWand tools, which remove backgrounds with one click of a mouse; EdgeBlender technology, which subtracts **background colors** from partly transparent mask edges; clipping path generation, which gives users precise control without RIP-stopping Bezier curves; and PrecisionEdge, which automatically detects edges between contrasting areas in an image. Extensis's Color Matching Technology (TM) facilitates the process of choosing which **colors** to **keep** and which to drop. Extensis Mask Pro also utilizes a vector-based path generator that is very fast and eliminates jaggies.

DESCRIPTORS: Artists; Color Matching; Draw; Graphic Arts; Graphics Tools;  
Image Processing

HARDWARE: Apple Macintosh; IBM PC & Compatibles; Pentium; PowerMac  
OPERATING SYSTEM: MacOS; Windows; Windows NT/2000  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Graphic Artists  
PRICE: \$199.95

DOCUMENTATION AVAILABLE: Tutorials  
REVISION DATE: 20020429

27/5/2

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

01086771 DOCUMENT TYPE: Product

**PRODUCT NAME: CSWEB SECURE (086771)**

Clearview Software International Inc (698831)  
326 Chestnut Hill Rd PO Box 1370  
Amherst, NH 03031 United States  
TELEPHONE: (603) 472-7115

RECORD TYPE: Directory

CONTACT: Sales Department

Clearview Software International's CSWEB SECURE is a flexible, secure, browser-based system that allows users to access corporate applications. Employing CSWEB SECURE, users can create customized Web pages that link to multiple hosts and applications. It also can be used to automate login sequences, menu navigation, and other tasks. As well, CSWEB SECURE streamlines update, configuration, and connectivity management. The system, exploiting an open architecture, can extend host applications with

videoconferencing, images, and multimedia elements. CSWEB SECURE's Telnet support encompasses password and data encryption and VT220 emulation. The system also offers ANSI **color** support and support for ActiveX, JScript, LiveConnect, and JavaScript technologies. Additionally, CSWEB SECURE includes attribute, **color mapping**, and custom **window** style features. CSWEB SECURE works with Microsoft **Internet Explorer** and **Netscape Navigator**.

DESCRIPTORS: Encryption; Enterprise Application Integration; File Security  
; Intranets; Network Software; Remote Network Access; Terminal  
Emulators

HARDWARE: Hardware Independent  
OPERATING SYSTEM: Internet Explorer; Netscape; Open Systems  
PROGRAM LANGUAGES: ActiveX; Java  
TYPE OF PRODUCT: Micro; Workstation  
POTENTIAL USERS: Cross Industry, Enterprises  
PRICE: Available upon request

REVISION DATE: 20020514

27/5/3

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00126413 DOCUMENT TYPE: Review

PRODUCT NAMES: **nik Color Efex Pro!** (017795); **nik Sharpener Pro!** (017817)

TITLE: **This job calls for a Pro!**  
AUTHOR: Howard, Courtney E  
SOURCE: Electronic Publishing Magazine, v24 n7 p63(1) Jul 2000  
ISSN: 1097-9190  
HOMEPAGE: <http://www.electronic-publishing.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

TECHnik Group's **nik Color Efex Pro!** and **nik Sharpener Pro!** provide many creative filters for use with Corel PhotoPaint or CorelDRAW, Adobe Photoshop or Illustrator, or other Adobe plug-in compatible applications that run on a Macintosh or a **Windows 9x/ NT** platform. Both professional image optimization utilities give users many novel and easy-to-use filters, and testers found both easy to install. Testers were able to access effects through the Filter menu on Photoshop toolbar. Both have similar graphical user interfaces (GUIs) with sliders to control effect intensity as well as an area that shows an optimal setting level. A preview window with zoom control is provided, as is a help section and a **Save Settings** option. **nik Color Efex Pro!** works with gray-scale, CMYK, RGB, and LAB images. **nik Color Efex Pro!** provides 55 filters and effects as well as **nik Abstract Efex Pro!**, which provides nine more filters, including Solarization and Pop Art. Testers particularly liked the old filter, which 'ages' an image by providing grain, contrast, yellowed **background**, and other aging characteristics. **nik Sharpener Pro!** gives users a choice other than Unsharp Mask, which can result in color shifts and lost detail. **nik Sharpener Pro!** autoscans the images and evaluates various characteristics to selectively sharpen image elements.

COMPANY NAME: **nik multimedia Inc** (688436)  
SPECIAL FEATURE: Output Samples  
DESCRIPTORS: Apple Macintosh; Artists; Electronic Publishing; Graphics  
Tools; IBM PC & Compatibles; Image Processing; MacOS; Photoshop;  
**Windows ; Windows NT/2000**  
REVISION DATE: 20021226



27/5/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00123213 DOCUMENT TYPE: Review

PRODUCT NAMES: WindowBlinds 1.2 (796531); Webshots Desktop (796549);  
Cool Desk 99 2.85 (796557)

TITLE: Window Dressing  
AUTHOR: Cohen, Alan  
SOURCE: PC Magazine, v19 n9 p234(1) May 9, 2000  
ISSN: 0888-8509  
HOMEPAGE: <http://www.pcmag.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

Stardock's WindowBlinds 1.2, Thematic Software's Chroma 1.02  
[www.thematic.com](http://www.thematic.com), Webshots's Webshots Desktop, ShellToys's Cool Desk 99  
2.85, the HotBar.com utility, and NeoPlanet are reviewed Windows GUI  
make-over products. The utilities allow users to totally transfigure the  
desktop's metaphor. WindowBlinds 1.2 is an excellent shareware program that  
allows users to change the style, colors, and fonts of title bars,  
toolbars, buttons, menu icons, and checkboxes in Windows screens and  
applications. Chroma 1.02 provides themes that give open windows and  
applications chiseled buttons, cylindrical scroll bars, and color  
schemes. Users can download themes or create totally new ones. Webshots  
Desktop provides 20 free starter packs, and each holds the Webshots Desktop  
software and a collection of photos that can be used as screensavers and  
wallpaper. Cool Desk 99 2.85 allows users to create as many as nine  
separate desktops, each with individualized windows, applications, taskbar  
buttons, and wallpaper. A provided desktop manager (which is customizable  
with skins available from ShellToys) allows users to toggle among desktops.  
NeoPlanet 5.1 provides a skinnable browser that operates with Internet  
Explorer or later and AOL, and Hotbar.com adds color backgrounds to IE  
's toolbar.

COMPANY NAME: Stardock Systems Inc (605565); Webshots Corp (679267);  
ShellToys (679275)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Front Ends; IBM PC & Compatibles; Internet Explorer ;  
System Utilities; User Interfaces ; Windowing; Windows  
REVISION DATE: 20000630

27/5/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00120826 DOCUMENT TYPE: Review

PRODUCT NAMES: Adobe Photoshop 5.5 (213756)

TITLE: Photoshop 5.5: Image Editor Focuses on the Web  
AUTHOR: McClelland, Deke  
SOURCE: Macworld, p42(1) Nov 1999  
ISSN: 0741-8647  
HOMEPAGE: <http://www.macworld.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

Adobe Systems' Adobe Photoshop 5.5, the latest release of the image editor,

gets very good marks overall, especially for easier isolation of small details quickly with the **background** eraser, more extensive control over **color** indexing and JPEG compression, and the inclusion of ImageReady. However, new extraction tools do not **generate** masks, and ImageReady features would be more effective as part of Photoshop itself. Photoshop 5.5 has much better GIF and JPEG optimization and other Web-centered features. ImageReady 2.0, a World Wide Web graphics editor, automates image slicing, JavaScript rollovers, and animation. However, many features are similar to some in Photoshop's but are implemented differently, which can lead to confusion. Three new tools ease and speed tasks required to **separate** complicated objects from their backgrounds, but Photoshop erases pixels instead of masking them, which significantly restricts options for tuning results. Extraction tools are not at all uniformly useful. For instance, magic eraser is crude and redundant, while the **background** eraser is more useful, with the ability to extract **background color** as an image is traced. The controls in the Extract **dialog box** are not intuitive, and no undo function is provided. Eagerly awaited new features now provided in Photoshop 5.5 include greatly improved type, previewing of the effects of JPEG compression before saving an image, and GIF options, which include perceptual **color** reduction and the ability to specify a level of dithering.

PRICE: \$609

COMPANY NAME: Adobe Systems Inc (394173)

SPECIAL FEATURE: Charts

DESCRIPTORS: Apple Macintosh; Graphics Tools; Image Processing; MacOS; Photoshop; Web Site Design

REVISION DATE: 20001130

27/5/6

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

(c)2004 Info.Sources Inc. All rts. reserv.

00117195 DOCUMENT TYPE: Review

PRODUCT NAMES: Adobe InDesign (749486)

TITLE: InDesign vs. Quark: The Battle Begins

AUTHOR: Bielski, Lauren

SOURCE: Digital Imaging, p14(3) Apr 1999

ISSN: 1084-5119

HOME PAGE: <http://www.digitalimaging.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Adobe Systems' InDesign effectively and transparently integrates with PhotoShop, Illustrator, and Acrobat to round out Adobe's publishing product suite. InDesign provides new features and an object-oriented, open architecture, with a familiar **graphical user interface (GUI)**. InDesign is available for Mac OS 8.5, Windows NT 4.0, Windows 98, and other new **operating systems (OSs)**, and provides a higher level of control over individual page elements than provided by other packages, down to the pixel level. For example, InDesign allows a designer to make a ninth-hour text change and to toggle to Illustrator or Photoshop to retouch a picture or graphic, without wasting time opening, saving, and closing files. InDesign also supports facilitated placement of published works on the Web, supports plug-ins, and enhances production efficiency overall. With InDesign, the traditional requirement to **separate** text and image in the production workflow could become unnecessary. Illustrator 8.0, Acrobat 4.0, and Photoshop 5.0 are integrated by managing on-screen display of all elements using Adobe Graphics Manager. The new software also uses CoolType for font rasterization, font encoding, and access to font data, while Rainbow Bridge and Adobe **Color** Management System provide uniform **color**.

management.

COMPANY NAME: Adobe Systems Inc (394173)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Artists; Graphics Tools; IBM PC & Compatibles; Image  
Processing; MacOS; Windows; Windows NT/2000  
REVISION DATE: 20011030

27/5/7

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00115578 DOCUMENT TYPE: Review

PRODUCT NAMES: ACCPAC for Windows Small Business Server 4.0 (744441)

TITLE: Check The Numbers

AUTHOR: Patz, Joel T

SOURCE: Small Business Computing, v4 n4 p104(1) Apr 1999

ISSN: 1529-5117

HOME PAGE: <http://www.smalloffice.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

AccPac International's AccPac for Windows Small Business Server 4.0, a multi-user user financial management product for users with some accounting experience, is available in 16- and 32-bit versions. AccPac is a seasoned package that now provides admirable support for Common Object Model (COM). COM, the programming model from Microsoft, allows access to an identical set of data by many applications. It is a 'see-through' technology in most Microsoft Office applications. For instance, COM allows users to employ Visual Basic for applications to set **background color** of a window or a field on a form. AccPac with COM allows users to, for example, **make** a presentation to venture capitalists or to a board of directors that include accounting data in a PowerPoint presentation. Testers were able to easily, but slowly, export data to Excel, and users can also jump to Excel during export and view AccPac as it fills the spreadsheet. As with many midrange products, AccPac has a module-based approach to accounting, and **separate** modules have to be purchased for General Ledger, Accounts Payable, Accounts Receivable, Order Entry, Payroll, and Inventory Control. Only General Ledger is available for Version 4.0 currently. COM is supported, so that users can **create** charts and graphics in Excel. System Manager, the core of AccPac, has a new Explorer-type interface that significantly streamlines access to modules.

COMPANY NAME: ACCPAC International Inc (649775)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Accounting; General Ledger; IBM PC & Compatibles; Network  
Software; Presentations; Small Business; Windows  
REVISION DATE: 20010730

27/5/8

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00113946 DOCUMENT TYPE: Review

PRODUCT NAMES: GTX RasterCAD Series 5.0 (458023)

TITLE: GTXRaster CAD Series V5.0

AUTHOR: Garcia, Emmanuel

SOURCE: Cadence, v14 n1 p60(3) Jan 1999

ISSN: 0887-9141

Homepage: <http://www.cadenceweb.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

GTX's GTX Raster CAD Series 5.0, a complete suite of software products that fully integrates with AutoCAD R14, allows users to use raster images or to include manual drawings inside AutoCAD with little work and optimum accuracy. Three modules are provided: GTX Raster Tools, GTXRaster CAD, and GTXRaster R2V. GTXRaster CAD merges all the features in the other three modules. GTXRaster Tools, CAD and R2V modules are **separately** purchased, and provide differing levels of functionality. GTXRaster CAD PLUS provides a full paper-to-CAD solution with such features as heads-up digitizing, raster cleanup, more automatic features for user tools, and intelligent character recognition (ICR) plug-ins. Version 5.0 is an extensively automated, robust, and easy-to-use solution that performs fast and is available with the Vibrant Graphics Soft Engine. A raster editing and raster-to-vector toolset, it provides a trackable record of consistently faster product development cycles. However, it requires a hardware lock and provides no **color** -image enhancement features. It also does not fully use all of the **operating system's graphical user interface (GUI)** features. GTXRaster CAD Series 5.0 is recommended for any user who does large amounts of raster-to-vector conversion, including service bureaus and other companies with medium-to-large volume conversions. Its newly added intelligence for recognizing lines, arcs, circles, text, and arrows and ability to translating them correctly will help designers quickly obtain return on investment.

PRICE: \$3895

COMPANY NAME: GTX Corp (544205)

SPECIAL FEATURE: Screen Layouts Output Samples

DESCRIPTORS: AutoCAD; CAD; CAD Utilities; Digitizing; File Conversion;  
Graphics for Science & Engineering; Image Processing; OCR; Reverse  
Engineering

REVISION DATE: 19991030

27/5/9

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

(c)2004 Info.Sources Inc. All rts. reserv.

00112506 DOCUMENT TYPE: Review

PRODUCT NAMES: Corel KnockOut 1.0 Macintosh (024384)

TITLE: Ultimatte KnockOut 1.0 an essential masking tool

AUTHOR: Fraser, Bruce

SOURCE: eMedia Weekly, v12 n38 p24(2) Oct 19, 1998

ISSN: 0892-8118

Homepage: <http://www.emediaweekly.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

Ultimatte's Ultimatte KnockOut 1.0 is a new standalone application for masking on the Macintosh OS . Although this first release does have a few **limitations** , it is essential for anyone doing a significant amount of masking. KnockOut works well with Photoshop, and it is easy to export a Photoshop file containing the mask as an alpha channel. KnockOut **creates** high-quality masks, with a semitransparent edge transition that does well at picking up the **background color** . Users can also preserve shadows cast by the object, **creating** a **separate** alpha channel for the shadow. The tool is remarkably easy to use. Instead of using drop **color** and **keep color** schemes, which is typical with other heavy-duty masking

applications, KnockOut uses Ultimatte's bluescreen compositing technology. To **create** a mask, users just **make** an inside selection and an outside selection using the Inside Object and Outside Object tools. The tools work like Photoshop's lasso. It is possible to constrain the tools to straighten **line** segments. However, the tools do not scroll when the user hits the edge of the **window**. Also, the program can open only single-layer RGB Photoshop format files, and it cannot open an image wider than 4,000 pixels.

PRICE: \$495

COMPANY NAME: Corel Corp (421723)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Apple Macintosh; **Draw** ; Graphics Tools; Image Processing;  
MacOS; Photoshop  
REVISION DATE: 20010930

27/5/10

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00111679 DOCUMENT TYPE: Review

PRODUCT NAMES: **Solutions::PIM Professional Windows 95 & Windows NT**  
(721069)

TITLE: **ActiveX controls let you roll your own PIM**  
AUTHOR: Yager, Tom  
SOURCE: InfoWorld, v20 n43 p124(1) Oct 26, 1998  
ISSN: 0199-6649  
HOMEPAGE: <http://www.infoworld.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

dbi Technologies' **Solutions::PIM**, an application **development** package, gets very good marks overall, especially for its overall price/performance value, flexible presentation controls, and current look and feel. However, documentation is scanty and disorganized, and no IntelliMouse support is provided. Also omitted are C++ samples. **Solutions::PIM** provides all the ActiveX components required to **create** a custom-written personal information manager (PIM) and other applications. Its ActiveX controls provided are written in Visual C++, which **makes** **Solutions::PIM** appropriate for use in just about any **development** environment supporting ActiveX controls. **Solutions::PIM**, a collection of 15 ActiveX controls, stores each one in its own 32-bit Object Linking and Embedding (OLE) custom control file. **Separate** controls are provided because there is a **separate user interface** for each view. Every **Solutions::PIM** control is chock-full of properties that allow users to design a one-of-a-kind look for the application. Granular control is provided over **background colors**, images, fonts, and 3D shading styles. **Solutions::PIM** also provides graphical printing support in every pertinent control, and the product's controls deploy modern features, such as in-place editing, drag-and-drop, and multiple selection.

PRICE: \$345

COMPANY NAME: dbi Technologies Inc (652466)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: ActiveX; C++; Components; IBM PC & Compatibles; Personal Information Management; Program **Development** ; Windows; Windows NT/2000  
REVISION DATE: 20021024

27/5/11

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00110133 DOCUMENT TYPE: Review

**PRODUCT NAMES: ColorShop 2.5 Macintosh (713121)**

**TITLE: X-Rite measures up with ColorShop 2.5 upgrade**

**AUTHOR: Fraser, Bruce**

**SOURCE: MacWEEK, v12 n27 p9(2) Jul 20, 1998**

**ISSN: 0892-8118**

**HOME PAGE: <http://www.macweek.com>**

**RECORD TYPE: Review**

**REVIEW TYPE: Review**

**GRADE: B**

X-Rite's ColorShop 2.5 color software now supports two top-notch X-Rite instruments, the Monitor Optimizer and the Digital Swatchbook handheld spectrophotometer. ColorShop has a robust toolset for collecting and skillfully maneuvering spectral and colorimetric data. Spectral data gathered by the Colortrón or the Digital Swatchbook records the intensity of light in 32 separate, 10-nanometer-wide wavelength bands that span the visual spectrum. The ColorShop package, when employed with a supported measuring device, allows users to measure **colors** and **save** them in a palette. Without a measuring tool, users can still use the tools with existing libraries of spectral data. ColorShop provides seven tools for working with colors. Match is similar to an electronic Pantone swatchbook and provides access to the Pantone Coated, Uncoated, Process, and Imaging libraries and to any user-created color palettes. Compare compares two colors numerically and visually, and allows tuning of the **background color**, while **Color Tweener** creates new colors and Colorimeter allows designers to convert color into multiple tristimulus spaces. Spectrum permits viewing of the raw spectral data in graphic form, and Harmony automates selection of up to six complementary colors for one selected color. Colortrón or Monitor Optimizer allows use of the Monitor Calibration control panel.

**PRICE: \$149**

**COMPANY NAME: X-Rite Inc (588997)**

**SPECIAL FEATURE: Screen Layouts**

**DESCRIPTORS: Apple Macintosh; Artists; Color Matching; Graphics Tools; Image Processing; MacOS**

**REVISION DATE: 20001130**

**27/5/12**

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00104561 DOCUMENT TYPE: Review

**PRODUCT NAMES: Live Picture 2.6 Macintosh & PowerMac (488151)**

**TITLE: Live Picture 2.6 adds vector technology and plug-ins**

**AUTHOR: Heck, Mike**

**SOURCE: InfoWorld, v20 n2 p58D(1) Jan 12, 1998**

**ISSN: 0199-6649**

**HOME PAGE: <http://www.infoworld.com>**

**RECORD TYPE: Review**

**REVIEW TYPE: Review**

**GRADE: A**

LivePicture 2.6 from Live Picture offers high-grade tools to assist designers and photographers who want to edit billboard-sized pictures. New in this version is the Texture World feature. This feature **makes** natural

textures such as water or sky. There are 100 preset textures to choose from. They can easily be manipulated in the **dialog box** to get a different picture. The PowerBlends tool **creates** resolution-independent **color** ramps. **Color** values can be specified and gradients can be added to layers using a 48-bit **color** space. This **makes** for pictures clear of any banding artifacts. The EdgeHighlighter tool enables the user to cut out part of a picture from the **background** and manipulate it. The cut-out part can be revised continuously in a very easy fashion until the user is ready to render the final image. Sharper masks and more precise text are also featured in this new version. It is a good tool to combine with PhotoShop to **create** special effects. LivePicture now supports the FlashPix file format. This software can be used for both electronic applications and for many print uses. LivePicture does not have as many **color** modes and cannot work with **separate color** channels like Adobe PhotoShop does. Designers may very well wish to use both products together.

PRICE: \$349

COMPANY NAME: Roxio Inc (554634)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Apple Macintosh; Designers; **Draw** ; Graphic Arts; Graphics Tools; Image Processing; MacOS; Photography; PowerMac

REVISION DATE: 20030825

27/5/13

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

(c)2004 Info.Sources Inc. All rts. reserv.

00104069

DOCUMENT TYPE: Review

PRODUCT NAMES: **Microsoft Internet Explorer 4.0 (577375); Netscape Communicator 4.0 (528463)**

TITLE: **Caught In The Crossfire**

AUTHOR: Spitzer, Tom

SOURCE: DBMS, v10 n11 p85(4) Oct 1997

ISSN: 1041-5173

HOME PAGE: <http://www.dbmsmag.com>

RECORD TYPE: Review

REVIEW TYPE: Product Comparison

GRADE: Product Comparison, No Rating

Dynamic HTML is the feature that **distinguishes** Microsoft's Microsoft **Internet Explorer 4.0** and Netscape's Netscape Communicator & Directory Server 4.0 from these two companies' earlier browser offerings. The advantages of dynamic HTML are several, but the complexity it adds may lead many World Wide Web site designers to stick with regular HTML, CGI scripting, and other traditional Web site building tools. Dynamic HTML allows changes to occur on a Web page without any intervention from a server. Dynamic HTML works like an object-based language. Programs and scripts can dynamically access and update the content, structure, and style of Internet documents. For example, **IE 4.0** is able to sort tables and redisplay the information without requesting a new data set from a server. In addition, stylesheets enable **colors** and text sizes on pages to be adjusted for each user. Netscape's new Communicator can download particular fonts, such as Japanese Kanji, for use with a World Wide Web page. Communicator also has a revised, streamlined version of Netscape's bookmarking feature. And a new feature is its Canvas mode which lets developers create applications using JavaScript that resemble applications in kiosks at malls and airports. Netscape's new Navigator product uses an enhanced version of JavaScript called 1.2. Even though **Internet Explorer** and Netscape Communicator look very similar, their basic structure is quite different. Communicator is deliberately not as integrated with any **operating system** and is the more flexible product to use with legacy applications.

COMPANY NAME: Microsoft Corp (112127); Netscape Communications Corp  
(592625)  
DESCRIPTORS: Authoring Systems; Electronic Publishing; Front Ends; HTML;  
Internet Browsers; **Internet Explorer** ; Netscape; **User Interfaces**  
; Web Site Design  
REVISION DATE: 20011230

27/5/14

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00093508 DOCUMENT TYPE: Review

**PRODUCT NAMES: Layer Express (494534)**

**TITLE: Layer Express**  
AUTHOR: Sheerin, Peter  
SOURCE: Cadence, v11 n7 p71(1) Jul 1996  
ISSN: 0887-9141  
HOMEPAGE: <http://www.cadenceweb.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

MCG Software's Layer Express, a powerful layer management tool for AutoCAD 12, 13, **DOS**, and **Windows** users, is based on groups that can contain any number of layers and **store** settings for **color** and **linetypes**. When a group is activated, all layers in the group can be enabled or disabled, frozen or thawed, and locked or unlocked. Almost all interaction with Layer Express is with a set of **dialog boxes** which clarify all options. When layers are **established**, current settings can be saved to a set/group. Sets consist of as many as 12 groups that organize specific sets of configurations, for example, Floor Plans or Elevations. Collections of sets and groups can be saved to a standard file so they can be used with any **drawing** software and so the compare utility can compare the **drawing** to a standard.

PRICE: \$99

COMPANY NAME: MCG Software (580325)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: AutoCAD; CAD Utilities; **DOS** ; IBM PC & Compatibles; Image  
Processing; **Windows**  
REVISION DATE: 20020930

27/5/15

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00078136 DOCUMENT TYPE: Review

**PRODUCT NAMES: Microsoft Plus! Pack for Windows 95 Windows 95 (568091)**

**TITLE: Microsoft Plus Pack provides style, substance for Win 95**  
AUTHOR: Sullivan, Eamonn  
SOURCE: PC Week, v12 n21 p1(2) May 29, 1995  
ISSN: 0740-1604

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Microsoft Plus Pack for **Windows 95** provides some nice utilities for



corporate desktops, including a well-integrated World Wide Web browser; better disk compression; **background** task scheduling; access to the Internet through Microsoft Exchange; and components needed to create a remote access server from a **Windows** 95 desktop. The Plus Pack requires a 486 with at least 8MB RAM, and a display that shows 256 **colors** (for included screen **savers** ). The useful Internet Wizard eases Internet connections, using either a modem or a LAN connection. DriveSpace 3 compression improves on earlier modules with easy functions and customizable compression rates. The System Agent allows users to schedule system-maintenance utilities, including the Disk Defragmenter, ScanDisk, and a low-disk space checker.

COMPANY NAME: Microsoft Corp (112127)  
SPECIAL FEATURE: Screen Layouts Charts  
DESCRIPTORS: File Compression; IBM PC & Compatibles; Internet Utilities;  
Job Monitoring; Remote Network Access; System Utilities; **Windows**  
REVISION DATE: 20020422

27/5/16

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00077824 DOCUMENT TYPE: Review

PRODUCT NAMES: Copland (512559); MacOS 8 (701424)

TITLE: Copland revealed at WWDC: Flexible Finder to play themes  
AUTHOR: Hess, Robert  
SOURCE: MacWEEK, v9 n20 p1(2) May 15, 1995  
ISSN: 0892-8118  
HOMEPAGE: <http://www.macweek.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

At a recent San Jose, California, Worldwide Developers Conference, Apple showed off its next generation Copland/Macintosh OS. The basic design is dissimilar from current Mac **operating systems** , and the product has a totally new interface. Users can control the computing environment extensively, to personalize the environment. They can change **colors** , **window** shapes, menus, buttons, and desktop animations. Apple Computer now knows that one Finder interface does not meet all users' needs, but many applications will be able to adapt to the new routines. The user can save **separate** , custom workspaces and easily toggle among them. Apple will predesign several workspace themes and ship them with Copland, including one with one-click buttons and default folders. Others will appeal to power users, children, and those preferring the current Mac interface.

COMPANY NAME: Apple Computer Inc (114936)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Apple Macintosh; MacOS; **Operating Systems ; User Interfaces**  
REVISION DATE: 19990930

27/5/17

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00075030 DOCUMENT TYPE: Review

PRODUCT NAMES: UNIX (847151)

TITLE: X/Open will offer unified Unix  
AUTHOR: Patrizio, Andy

SOURCE: PC Week, v12 n8 p103(1) Feb 27, 1995  
ISSN: 0740-1604

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

X/Open recently began a testing and branding initiative to certify UNIX variants to comply with the new Single UNIX **specification**. The **specification**, formerly called Spec 1170, is an effort launched by UNIX vendors (including IBM, Sun Microsystems, Novell, AT&T, Silicon Graphics, and Hewlett-Packard) to create a universal application programming interface (API) for UNIX System V. With Single UNIX specs, independent software vendors can depend on the presence of particular resident UNIX elements, and will also be made aware of **separate**, vendor-specific extensions. One user, however, a network and system manager for a major university, says the standards setting process is of no use if a product cannot do the job needed or implementation is inferior. Important differences that will still exist among UNIX variants include those for symmetric multiprocessing, price/performance, **GUI** response, graphics handling, security, administration, service and support.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: Integration Software; Standards; UNIX; **User Interface**  
Standards  
REVISION DATE: 20020124

27/5/18  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00073480 DOCUMENT TYPE: Review

**PRODUCT NAMES: OS/2 Communications Manager/2 (702153)**

**TITLE: Configuring 5250 Emulation with OS/2**  
AUTHOR: Davenport, Mike  
SOURCE: Midrange Computing, v12 n9 p88(5) Jan 1995  
ISSN: 1052-3561  
HOMEPAGE: <http://www.midrangecomputing.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

OS/2 Communications Manager/2 (CM/2) gives AS/400 users an excellent environment for adding 5250 terminal emulation to the system. However, users can also choose Communications Manager/400 (CM/400), a **separate** product; the two configurations have many similarities. CM/2 configuration is nonproblematic if the network can communicate with local area network (LAN)-connected PCs. CM/2 supports 26 sessions, and 15 can be 5250 sessions, which can be configured to any number of AS/400 hosts. Additional configuration is possible via **pull - down menus** during emulation sessions, allowing keyboard remapping, **color** and font customization, mouse hot spots, alarms, printing, and clipboard cut, copy, and paste functions. To give host AS/400 applications a **graphical user interface** ( **GUI** ), emulator high level language application programming interface (EHLAPI) screen scraping can be used. A detailed description of configuration steps is provided.

COMPANY NAME: IBM Corp. (351245)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Communications; IBM AS/400; IBM PC & Compatibles; **Operating Systems** ; OS/2; Terminal Emulators  
REVISION DATE: 19980830

27/5/19

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00070980 DOCUMENT TYPE: Review

**PRODUCT NAMES: FreeHand Windows 4.0 (419257)**

**TITLE: Aldus FreeHand 4.0**

**AUTHOR: Harrel, William**

**SOURCE: Publish, v9 n10 p39(1) Oct 1994**

**ISSN: 0897-6007**

**HOME PAGE: http://www.publish.com**

**RECORD TYPE: Review**

**REVIEW TYPE: Review**

**GRADE: A**

Aldus's Freehand for Windows 4.0 is a greatly improved Windows draw package, with a well designed interface and better **color** features. Its special effects and charts are less automated than those of CorelDRAW and Micrografx Designer. Integrated palettes supplant the awkward **dialog boxes** of previous versions, including the Inspector palette, with icons that provide editable settings. The user need no longer name and **define colors before** using them, and **colors** can now be dragged and dropped onto objects as with QuarkXPress. No support for automated charting and special effects is available, but FreeHand has superior **cross - platform** support and EPS support equivalent to that of Illustrator. These are two important functions for working with Mac service bureaus.

**PRICE: \$595**

**COMPANY NAME: Macromedia Inc (423106)**

**SPECIAL FEATURE: Screen Layouts**

**DESCRIPTORS: Draw; Graphics Tools; IBM PC & Compatibles; Image Processing; QuarkXPress; Windows**

**REVISION DATE: 20000530**

27/5/20

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2004 Info.Sources Inc. All rts. reserv.

00067663 DOCUMENT TYPE: Review

**PRODUCT NAMES: Adobe Photoshop 3.0 (213756)**

**TITLE: Adobe Unleashes Photoshop 3.0**

**AUTHOR: Staff**

**SOURCE: Electronic Publishing & TypeWorld, v18 n10 p1(2) Jul 15, 1994**

**ISSN: 0194-4851**

**RECORD TYPE: Review**

**REVIEW TYPE: Product Analysis**

**GRADE: Product Analysis, No Rating**

Adobe has released a new version of Photoshop. Version 3.0 brings **cross - platform** interoperability and identical features to both the Mac and Windows versions. Among the many new features are support for multiple layers and new **color** correction tools. The multiple layer support PhotoShop uses manipulates elements of an image on **separate** layers. This process will allow users to make corrections more easily and allow for more experimentation. The **color** correction controls will make it easier to achieve **color** fidelity when adjusting images for CMYK output. The **user interface** has been substantially improved, and includes redesigned

floating palettes that can be combined or arranged in any order. Users can employ the selective **color** correction feature to specify amount of ink in a given **color** plate. Also new are the **Color** Range feature for building feathered masks and the Sponge Tool for saturating **colors** .

PRICE: \$895

COMPANY NAME: Adobe Systems Inc (394173)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Apple Macintosh; **Color** Matching; Draw; Graphics Tools; IBM PC & Compatibles; Image Processing; MacOS; Paint; Photoshop; Windows

REVISION DATE: 20001130

27/5/21

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

(c)2004 Info.Sources Inc. All rts. reserv.

00066672

DOCUMENT TYPE: Review

PRODUCT NAMES: WindowMagic 3.0 (455113)

TITLE: Presto! ProgMan Gets a Makeover

AUTHOR: Powell, James E

SOURCE: Windows Magazine, v5 n8 p176(1) Aug 1994

ISSN: 1060-1066

HOME PAGE: <http://www.winmag.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

WindowMagic 3.0, a Program Manager enhancer, is recommended as a **colorful** space- **saving** tool that uses few system resources to give the user a more intuitive, easier to use Microsoft **Windows** environment. The Get-It task manager smoothly switches tasks via an icon added to the title bar of any current application. Program groups can be floating toolbars for continuous availability, and toolbars can be minimized to save screen space. Almost 4,000 icons are provided for assignment to programs and groups, and the printer manager supports fast printer task setup. An icon can be **established** for a printer or fax program, and output may be sent to a file. Print-It Press saves names of often-printed files and allows them to be printed via hotkeys. Alarms warn of disk space **limits** , and icons monitor memory and other system resources.

PRICE: \$90

COMPANY NAME: WinWear (562173)

SPECIAL FEATURE: Screen Layouts Charts

DESCRIPTORS: IBM PC & Compatibles; Multitasking; System Utilities; **User Interfaces ; Windows**

REVISION DATE: 19950630

Set	Items	Description
S1	252187	DIALOG()BOX? OR WINDOW OR SPLASH()SCREEN? OR GUI OR GUIS OR GRAPHIC?()USER()INTERFACE? OR (PULL OR DROP)()DOWN()MENU? OR (NAVIGAT? OR USER) (2N) (INTERFACE? OR CONNECT?) OR CONTENT?(2N-)BOX?
S2	7555522	CREAT??? OR GENERATE? OR PRODUCE? OR DEVELOP? OR MAKE? ? OR ESTABLISH? OR DRAW???
S3	4354002	BORDER? OR BOUNDARY OR LIMIT? OR RESTRICTION? OR LINE? OR - THRESHOLD
S4	518728	COLOR? OR COLOUR? OR HUE? OR SHADE? OR TINT? OR TONE?
S5	728220	RESERVE? OR STOR? ? OR STORING OR SAVE? OR SAVING OR KEEP? ? OR KEEPING
S6	395735	OPERATING()SYSTEM OR OS OR WINDOWS OR NT OR UNIX OR EXECUT- IVE? OR LINUX OR BIOS OR NBIOIS OR DOS OR SOLARIS OR VMS OR SU- NOS
S7	230902	BACKGROUND OR BACK()GROUND OR BACKDROP
S8	832252	DIFFERENTIAT? OR DISCRIMINAT? OR DISCERN? OR SEPARATE? OR - DISTINGUISH?
S9	449843	MAP OR MAPS OR MAPPED OR MAPPING
S10	27594	(PREVIOUSLY OR ALREADY OR PRIOR? OR BEFORE OR EARLIER OR F- ORMERLY) (2N) (DEFINE? OR DEFINING OR SPECIF? OR DESCRIB? OR ST- IPULAT? OR DESIGNAT?)
S11	148486	CROSS()PLATFORM? OR OPERATING()SYSTEM? OR HETEROGENEOUS()N- ETWORK? OR NETSCAPE()NAVIGATOR OR INTERNET()EXPLORER OR IE OR MOSAIC
S12	952	S1 AND S2 AND S3 AND S4
S13	58	S4 (3N) S5 AND S6
S14	12	S1 AND S2 AND S4 AND S7 AND S8
S15	11	(S7 (3N) S4) AND (S4 (3N) S5)
S16	0	S15 AND S9 AND S10 AND S11
S17	0	S15 AND S10 AND S11
S18	0	S15 AND S10
S19	6	S13 AND S6 AND S7
S20	6	S13 AND S7
S21	4	S12 AND S13
S22	36	S1 AND S8 AND S10
S23	0	S22 AND S11
S24	346	S1 AND S4 AND S11
S25	13	S24 AND S7
S26	0	S24 AND S10
S27	20	S24 AND S9
S28	13	S24 AND S8
S29	3147	S1 (3N) S3
S30	1207	S29 AND S2
S31	0	S30 AND S13 AND S6
S32	108	S14 OR S15 OR S19 OR S20 OR S21 OR S22 OR S25 OR S27 OR S28
S33	94	S32 NOT PY>2001
S34	93	S33 NOT PD>20010614
S35	85	RD (unique items)
File	8: Ei Compendex(R) 1970-2004/Jan W2	(c) 2004 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online 1861-2004/Dec	(c) 2004 ProQuest Info&Learning
File	202: Info. Sci. & Tech. Abs. 1966-2004/Jan 20	(c) 2004 EBSCO Publishing
File	65: Inside Conferences 1993-2004/Jan W3	(c) 2004 BLDSC all rts. reserv.
File	2: INSPEC 1969-2004/Jan W2	(c) 2004 Institution of Electrical Engineers
File	233: Internet & Personal Comp. Abs. 1981-2003/Sep	(c) 2003 EBSCO Pub.
File	94: JICST-EPlus 1985-2004/Jan W2	(c) 2004 Japan Science and Tech Corp (JST)
File	99: Wilson Appl. Sci & Tech Abs 1983-2003/Nov	(c) 2003 The HW Wilson Co.
File	95: TEME-Technology & Management 1989-2004/Jan W1	(c) 2004 FIZ TECHNIK



35/5/1 (Item 1 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

06162343 E.I. No: EIP02417138030

Title: **Cognitive layout of multi- window system - Effects of background color and size of peripheral window on visual interference**  
Author: Murata, Atsuo; Miyoshi, Tetsuya; Fujii, Michihiro  
Corporate Source: Department of Computer Sciences Hiroshima City University, Hiroshima 731-3194, Japan  
Conference Title: 9th IEEE International Workshop on Robot and Human Interactive Communication RO-MAN2000  
Conference Location: Osaka, Japan Conference Date: 20000927-20000929  
Sponsor: IEEE Industrial Electronics Society; Robotics Society of Japan; Society of Instrument and Control Engineers; Japan Society of Mechanical Engineers; Virtual Reality Society of Japan  
E.I. Conference No.: 59912  
Source: Robot and Human Communication - Proceedings of the IEEE International Workshop 2000. p 241-246 (IEEE cat n 00TH8499)  
Publication Year: 2000  
CODEN: 85QKA5  
Language: English  
Document Type: CA; (Conference Article) Treatment: T; (Theoretical); X; (Experimental)  
Journal Announcement: 0210W3

Abstract: The aim of this study was to explore how the ratio of size and the **background color** of foveal and peripheral windows affected the work efficiency at the foveal **window**. On the basis of the results, an attempt was made to clarify the cognitive layout of multiple windows that makes the visual interference minimum. It was clarified that the area ratio of the peripheral **window** to the foveal **window** was one of the determinant factor that affected the visual interference. Moreover, it was found that the visual interference occurred not during the perceptual process, but during the cognitive process. It was also indicated that the **background color** on the peripheral **window** did not affect the visual interference. The **background color** on the foveal **window** seems to affect the counting accuracy on the foveal **window** according to the attractiveness of **colors**. Some implications for designing multi- **window** systems were given. 5 Refs.

Descriptors: Human computer interaction; Cathode ray tubes; Cognitive systems; Computer **operating systems**; Computer workstations; Personal computers

Identifiers: Multi- **window** systems

Classification Codes:

722.2 (Computer Peripheral Equipment); 714.1 (Electron Tubes); 723.4 (Artificial Intelligence); 722.4 (Digital Computers & Systems)  
722 (Computer Hardware); 714 (Electronic Components & Tubes); 723 (Computer Software, Data Handling & Applications)  
72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATION ENGINEERING)

35/5/2 (Item 2 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05241634 E.I. No: EIP99034593073

Title: **Using color in the X Window system versus Microsoft Windows: Part 2**

Author: Pavlidis, Theo; Hunter, Kevin  
Corporate Source: SUNY at Stony Brook, Stony Brook, NY, USA  
Source: IEEE Computer Graphics and Applications v 19 n 1 Jan-Feb 1999. p 75-83  
Publication Year: 1999  
CODEN: ICGADZ ISSN: 0272-1716  
Language: English  
Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: <9904W4

Abstract: This tutorial on **color** appears in two **separate** parts with Part 1 in the November-December 1998 issue. Part 1 focused on using **color** in an application for labeling or decorations and displaying images for decorative purposes where **color** fidelity is not a high priority. Part 2 focuses on displaying images with special attention to **color** fidelity, discussing techniques for keeping a consistent appearance between applications, and device portability issues. (Author abstract)

Descriptors: Computer graphics; Computer **operating systems** ; **Color** image processing; Image quality; Constraint theory; Personal computers

Identifiers: X **window** system; Microsoft windows; **Color** fidelity

Classification Codes:

723.5 (Computer Applications); 722.4 (Digital Computers & Systems); 741.1 (Light/Optics); 723.2 (Data Processing); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory)

723 (Computer Software); 722 (Computer Hardware); 741 (Optics & Optical Devices); 721 (Computer Circuits & Logic Elements)

72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY)

35/5/4 (Item 4 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04540901 E.I. No: EIP96100380892

Title: **Parallel user interfaces for parallel applications**

Author: Vandevoorde, Mark T.; Kapur, Deepak

Corporate Source: Massachusetts Inst of Technology, Cambridge, MA, USA

Conference Title: Proceedings of the 1996 5th IEEE International Symposium on High Performance Distributed Computing

Conference Location: Syracuse, NY, USA Conference Date: 19960806-19960809

Sponsor: IEEE

E.I. Conference No.: 45488

Source: IEEE International Symposium on High Performance Distributed Computing, Proceedings 1996., 96TB100069. p 161-170

Publication Year: 1996

CODEN: PIDCFB

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications)

Journal Announcement: 9612W4

Abstract: Many parallel applications are designed to conceal parallelism from the user. In this paper, we investigate a different approach where the user controls many tasks running in parallel. The idea is to let a user accomplish his goal more quickly by trying competing alternatives in parallel (or-parallelism) and by working on subgoals in parallel (and-parallelism). To help the user manage a large number of parallel tasks, the application must provide features to generate many tasks easily, to summarize the state of all tasks, to broadcast commands to related tasks, and to abort tasks that are no longer needed. A parallel interface to an application thus becomes crucial to enhance the user's productivity. We demonstrate this approach using DLP, a parallel, distributed version of the Larch Prover, an interactive theorem prover. DLP supports explicit parallelism and runs on a network of workstations. Users control DLP through a multi-**window** interface on a bit-**map color**-display. Many theorem proving problems that would otherwise take considerable user effort to solve have been done with relative ease using DLP. (Author abstract) 14 Refs.

Descriptors: **User interfaces** ; Parallel processing systems; Distributed computer systems; Computer networks; Computer workstations; Computer **operating systems** ; Theorem proving; Interactive computer systems; Response time (computer systems)

Identifiers: **Parallel user interfaces** ; Parallelism; Speculative parallelism; And parallelism; Or parallelism

Classification Codes:

722.2 (Computer Peripheral Equipment); 722.4 (Digital Computers &



Systems); 722.3 (Data Communication, Equipment & Techniques); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory)

722 (Computer Hardware); 721 (Computer Circuits & Logic Elements)

72 (COMPUTERS & DATA PROCESSING)

35/5/6 (Item 6 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04364520 E.I. No: EIP96033109388

**Title: Data- and model-driven multiresolution processing**

Author: Califano, Andrea; Kjeldsen, Rick; Bolle, Ruud M.

Corporate Source: IBM Thomas J. Watson Research Cent, Yorktown Heights, NY, USA

Source: CVIU: Computer Vision and Image Understanding v 63 n 1 Jan 1996. p 27-49

Publication Year: 1996

CODEN: CVIUF4

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9605W3

Abstract: We introduce a technique for multiresolution processing which elegantly fits in our framework for visual recognition, **described** in **earlier** papers. The input is processed simultaneously at a coarse resolution throughout the image and at finer resolution within a small **window** (fovea). We introduce an approach for controlling the movement of the high-resolution **window** which allows for both data- and model-driven selection of fixation points. Three fixation modes have been implemented, one based on large unexplained areas in the data, one on conflicts in the object-model database, and one on a 2D 'space filling' algorithm. We argue that this kind of multiresolution processing is not only useful in limiting the computational time, as has been widely recognized, but also can be a deciding factor in making the entire vision problem a tractable and stable one. To demonstrate the approach, we introduce a class of 3D surface textures as a feature for recognition in our system. Surface texture recognition typically requires higher-resolution processing than that required for the extraction of the underlying surface. As examples, surface texture is used to **discriminate** between a ping-pong ball and a golf ball, and 'curve texture' is used to recognize different types of gears. Other experimental results also are included to show the advantages and the implications of our approach. (Author abstract). 31 Refs.

Descriptors: \*Image processing; Computer vision; Pattern recognition; Database systems; Algorithms; Calculations; Textures; Feature extraction; Three dimensional

Identifiers: Multiresolution processing; Visual recognition; Fixation modes; Object model database; Two dimensional space filling algorithm; Surface texture recognition

Classification Codes:

723.2 (Data Processing); 741.2 (Vision); 723.5 (Computer Applications); 723.3 (Database Systems)

723 (Computer Software); 741 (Optics & Optical Devices)

72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY)

35/5/10 (Item 10 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04132085 E.I. No: EIP95042663109

**Title: Visual tools give developers a productivity edge**

Author: Williams, Tom

Source: Computer Design v 34 n 3 Mar 1995. 7pp

Publication Year: 1995

CODEN: CMPDAM ISSN: 0010-4566

Language: English  
Document Type: JA; (Journal Article) Treatment: A; (Applications); G;  
(General Review)

Journal Announcement: 9506W2

Abstract: Graphical development tools are designed to help programmers express concepts more clearly and translate them into working programs. Although not all of these tools are object-oriented with hierarchy and inheritance features, they tend to lend themselves to an object-oriented approach. There are three main classes of visual development tools: (a) those that define the **user interface**, (b) those that develop the program code and (c) those that control and configure hardware. Visual tools are **distinguishable** from CASE tools in the sense that CASE tools are associated with a discipline and methodology that **define** a design **before** any coding is done while visual development tools can support methodologies, are oriented toward creating, testing and generating programs or parts of programs that give developers instant gratification for their efforts.

Descriptors: Computer aided software engineering; **Graphical user interfaces**; Computer graphics; Computer software; Learning systems; C (programming language); Computer programming; Software prototyping; Codes (symbols); BASIC (programming language)

Identifiers: Visual development tools; Graphical tools; Program design; Program coding; Program verification

Classification Codes:

723.1.1 (Computer Programming Languages)

723.5 (Computer Applications); 722.2 (Computer Peripheral Equipment);

723.1 (Computer Programming)

723 (Computer Software); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING)

35/5/12 (Item 12 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

03941213 E.I. No: EIP94031229878

Title: **Current trends in computer systems technology**

Author: Weisberg, David E.

Corporate Source: Engineering Automation Report, Englewood, CO, USA

Publication Year: 1993

CODEN: TPSSDL ISSN: 0161-6382

Language: English

Document Type: PP; (Preprint) Treatment: A; (Applications); G; (General Review)

Journal Announcement: 9411W1

Abstract: This paper defines the performance level to be expected for desktop computers in coming years. It addresses the question of how will personal computer and workstations evolve and how much longer will we treat them as two **separate** product categories. The 300 SPECmark computers and multi-gigabyte disk drives will be common by 1995. Graphic performance will increase to the point that real-time 3D **shaded** images will be a standard feature on most desktop computer systems. Some will be absorbed in supporting new **operating systems** and **graphical user interfaces**. The trend toward object-oriented programming alone will require very fast computers. But much more exciting are the opportunities that will open up for new ways of doing engineering. This paper defines the level of performance to be expected for desktop computers. Engineering managers need to understand the dynamics forcing changes in the computer industry so that they can make intelligent investments today and plan for tomorrow's future. This paper addresses these issues in a timely manner. (Author abstract)

Descriptors: Computer systems; Technological forecasting; Personal computers; Computer workstations; Computer **operating systems**; **User interfaces**; Object oriented programming; Computer aided engineering; Performance; Automation

Identifiers: Computer industry

Classification Codes:

722.4 (Digital Computers & Systems); 723.1 (Computer Programming);

723.5 (Computer Applications)  
722 (Computer Hardware); 723 (Computer Software)  
72 (COMPUTERS & DATA PROCESSING)

35/5/17 (Item 17 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

01959490 E.I. Monthly No: EI8604028717 E.I. Yearly No: EI86033623

Title: **CLIPPING AND WINDOWING WITH GRAPHICS DISPLAY.**

Author: Anon

Source: IBM Technical Disclosure Bulletin v 28 n 8 Jan 1986 p 3276-3277

Publication Year: 1986

CODEN: IBMTAA ISSN: 0018-8689

Language: ENGLISH

Document Type: JA; (Journal Article) Treatment: A; (Applications)

Journal Announcement: 8604

Abstract: In a multi-color graphics display, hardware is used to provide clipping and windowing. A viewport area is defined by setting bits in an additional all-points-addressable (APA) viewport buffer. This buffer is fed unclipped vectors as only data for a location defined in the buffer will be written. The additional buffer is not required if one **color** is **reserved** for a viewport **background** and only updates to locations which contain that color are allowed. In a display that has an APA display buffer and that can have multiple viewports ( **windows** ), it is necessary to ensure that any new data are only written to the correct parts of the display buffer. Conventionally this is performed by passing all vectors through software clipping and viewporting routines that modify the vectors prior to sending them to the display buffer hardware.

Descriptors: \*DISPLAY DEVICES--\*Performance; COMPUTER GRAPHICS

Identifiers: GRAPHICS DISPLAY; MULTI-COLOR GRAPHICS; CLIPPING AND WINDOWING; VIEWPORT AREA

Classification Codes:

722 (Computer Hardware); 741 (Optics & Optical Devices); 723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY)

35/5/24 (Item 1 from file: 202)

DIALOG(R) File 202:Info. Sci. & Tech. Abs.

(c) 2004 EBSCO Publishing. All rts. reserv.

2400564

Device for editing document in colors.

Author(s): Ozeki, M

Patent Number(s): US 4789855

Publication Date: Dec 6, 1988

Language: English

Document Type: Patent

Record Type: Abstract

Journal Announcement: 2400

A device for editing a document in **colors**, comprising: character information **storing** means for storing character identification information as to each of a number of characters included in a document which is to be displayed on a display screen; **color** information **storing** means associated with said character information **storing** means for **storing color** information as to at least one of the display **color** and **background color** of each of said characters; display means for displaying a document on said display screen in a predetermined color, including dot pattern refresh memory means for storing dot pattern data based on information stored in said character information **storing** means and said **color** information **storing** means; editorial area specifying means for selectively specifying a desired character or character string in the document displayed on said display screen, as an editorial area, by referring to said desired character or character string on the display

screen; editorial area storing means for storing positional information corresponding to the editorial area specified by said editorial area specifying means; color specifying means for specifying and storing at least one of the display **color** and **background color** of characters in said specified editorial area of said document in the form of color specifying information in response to an operator command; and color information processing means coupled between said editorial area **storing** means and said **color** specifying means for updating the contents of a portion of said **color** information **storing** means which corresponds to said editorial area, on the basis of color specifying information from said color specifying means, whereby dot pattern data stored in said dot pattern refresh memory means is modified in response to said updating of said **color** information **storing** means.

Descriptors: Character recognition; Color; Editing; Patents  
Classification Codes and Description: 3.02 (Editing)  
Main Heading: Information Generation and Promulgation

35/5/27 (Item 3 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6930911 INSPEC Abstract Number: C2001-06-6180G-008

**Title: Translucent windows in X**

Author(s): Packard, K.

Conference Title: Proceedings of 4th Annual Linux Showcase and Conference  
p.39-45

Publisher: USENIX Assoc, Berkeley, CA, USA

Publication Date: 2000 Country of Publication: USA 394 pp.

Material Identity Number: XX-2000-02710

Conference Title: Proceedings of 4th Annual Linux Showcase and Conference

Conference Date: 10-14 Oct. 2000 Conference Location: Atlanta, GA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The X **Window** System allows multiple windows to occupy the same coordinates on the screen. The core protocol defines which portions of each **window** are visible and which are occluded by overlapping windows, but the overlapping windows are always completely opaque. Various techniques can be used to simulate non-opaque windows in controlled environments. The shape extension can be used to make areas of the **window** transparent. A **background** of "None" can be used to inherit the contents of the screen in the region occupied by the **window** when it is first **mapped**. Where available, hardware overlays can be used which expose a transparent pixel value. None of these techniques can be used for translucency in a general way; hardware overlays and the shape extension can only provide transparency and cannot blend the pixel **colors** together. A **background** of "None" cannot be used when the occluding windows are to be reconfigured or when the occluded region contents are expected to change. The X Translucent **Window** Extension is described which solves the general translucency problem by assigning alpha values for pixels in occluding windows. These values are used to blend the occluding **window** contents with the occluded region for display. The details of managing translucent **window** hierarchies, reparenting translucent windows and X visual differences between blended pixels are discussed. (7 Refs)

Subfile: C

Descriptors: computer graphics; **graphical user interfaces** ;  
**operating systems** (computers)

Identifiers: X **Window** System; multiple windows; core protocol;  
overlapping windows; shape extension; pixel; **color** ; X Translucent **Window**  
Extension; occluding **window** contents; rendering

Class Codes: C6180G (Graphical user interfaces); C6130B (Graphics  
techniques); C6150J (Operating systems)

Copyright 2001, IEE

35/5/31 (Item 7 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6417878 INSPEC Abstract Number: C2000-01-6130B-027

**Title: Generating grayed toolbar image lists**

Author(s): Heeran, F.

Author Affiliation: BOCOM Int., Dublin, Ireland

Journal: Windows Developers Journal vol.10, no.9 p.16, 18, 20, 22,  
24, 26, 29-30, 32

Publisher: Miller Freeman,

Publication Date: Sept. 1999 Country of Publication: USA

CODEN: WDJOFH ISSN: 1083-9887

SICI: 1083-9887(199909)10:9L:16:GGTI;1-1

Material Identity Number: F484-1999-001

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** With the release of **Internet Explorer 3.0**, Microsoft added several new features to the toolbar control in comctl32.dll. One new feature was "flat toolbars", a toolbar style in which the buttons appear flat (no borders) and monochrome until the mouse moves over them, at which point the button gets a raised border and appears in **color**. You obtain such toolbars by setting the TBSTYLE\_FLAT style bit when creating the toolbar and passing in two image lists. The first is the "normal" image list, used to display the toolbar buttons in their unselected state. The second image list is the "hot" image list, which is used to display the buttons in their selected (raised, **color**) state. This article presents a set of routines you can use to generate, at runtime, a toolbar's normal image list from the hot image list. These routines will also generate the toolbar's disabled image list. The routines work by generating a grayscale version of a given bitmap, optionally leaving a specified **background color** untouched. (0 Refs)

Subfile: C

Descriptors: **graphical user interfaces**; Internet; subroutines

Identifiers: grayed toolbar image list generation; **Internet Explorer 3.0**; toolbar control; comctl32.dll; flat toolbars; TBSTYLE\_FLAT style bit; bitmap

Class Codes: C6130B (Graphics techniques); C6180G (Graphical user interfaces); C6150N (Distributed systems software)

Copyright 1999, IEE

35/5/42 (Item 18 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4730975 INSPEC Abstract Number: C9409-6180-088

**Title: Selecting colors for dialog boxes and buttons in a text interface**

Author(s): Page, S.R.

Author Affiliation: WordPerfect Corp., Orem, UT, USA

p.208-13 vol.2

Editor(s): Salvendy, G.; Smith, M.J.

Publisher: Elsevier, Amsterdam, Netherlands

Publication Date: 1993 Country of Publication: Netherlands 2 vol.  
(xx+1042+xx+1125) pp.

ISBN: 0 444 89540 X

Conference Title: Proceedings of 5th International Conference on Human-Computer Interaction

Conference Sponsor: AT&T; Fuji Electr. Co.; JGC Corp.; NEC Corp.; Purdue Univ.; Univ. Central Florida; Univ. Wisconsin-Madison

Conference Date: 8-13 Aug. 1993 Conference Location: Orlando, FL, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** The purpose of this study was to identify combinations of **dialog box**, button, and button highlight **colors** that would allow users to easily identify the highlighted button in a text interface. A combination of research analysis, performance testing, and preference

testing was used to provide the design data within a short time frame. A preference test showed that users preferred black text on a gray **background** for **dialog boxes** and gray text on a blue **background** for document windows. Research analysis was used to reduce the potential button **colors** to eighteen by eliminating **colors** that research showed could cause problems. In the button **color** study, 57 participants were asked to select which of two buttons was highlighted in 306 **separate** pairs of buttons. **Dialog boxes** with gray text on blue, gray on black, or gray on dark gray as the non-highlighted button **colors** **produced** the best performance scores. Preference data indicated that white on blue, white on light blue, or white on red were good choices as highlight **colors**. (11 Refs)

Subfile: C

Descriptors: **user interfaces**

Identifiers: **colours** selection; **dialog boxes** ; buttons; text interface; performance testing; preference testing

Class Codes: C6180 (User interfaces)

35/5/45 (Item 21 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03966209 INSPEC Abstract Number: C91057941

Title: **Variable window thresholding techniques for background detection**

Author(s): Maeder, A.J.

Author Affiliation: Dept. of Comput. Sci., Monash Univ., Clayton, Vic., Australia

Conference Title: Image Processing and the Impact of New Technologies. Proceedings p.99-102

Publisher: Instn. Radio Electron. Eng, Edgecliff, NSW, Australia

Publication Date: 1989 Country of Publication: Australia x+298 pp.

ISBN: 0 909394 19 9

Conference Date: 18-20 Dec. 1989 Conference Location: Canberra, ACT, Australia

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: To avoid the computational expense of classification algorithms, **background** detection in image analysis is often treated as a thresholding problem, allowing the classification to be based only on individual pixel intensities. In more complicated cases a threshold value is harder to find. Sometimes the **background** intensities vary systematically across the image, such as when illumination or **colour** changes occur in the scene. In these instances local or dynamic thresholding or adaptive thresholding may be necessary to enable local **background** intensities to be **established**. These techniques subdivide the image into fixed sized subimages or windows and construct an intensity histogram for each **window**. The article describes a multiresolution variable **window** size method which takes into account the characteristics of histograms of larger enclosing windows to **discriminate background** values locally. Examples of the method applied to an artificial vision scene and a weather satellite image are also described. Some possible further work is then suggested. (7 Refs)

Subfile: C

Descriptors: computerised pattern recognition; computerised picture processing

Identifiers: local thresholding; **background** detection; image analysis; thresholding problem; pixel intensities; illumination; **colour** changes; dynamic thresholding; adaptive thresholding; fixed sized subimages; intensity histogram; multiresolution variable **window** size; artificial vision scene; weather satellite image

Class Codes: C5260B (Computer vision and picture processing)

35/5/54 (Item 3 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00624019 01SO03-009

**Browsing with personality -- Downloads that flavor your browser**

Flamig, Blaine

Smart Computing in Plain English , March 1, 2001 , v12 n3 p48, 1 Page(s)

ISSN: 1093-4170

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Highlights several downloads that provide tools and features that add personal touches to Web browsing. Examines Hotbar (free), a utility that has more than 42,000 skins, or **background** images, to choose from to overlay on a Web browser to add splashes of **color** and imagery. Mentions also NetCaptor (free), which adds tabs with **Internet Explorer**'s features to navigate multiple Web sites more quickly than toggling between several browser windows. Showcases Sensiva (free), which personalizes a Web browser by allowing the user to execute commands with symbols the user draws using a mouse or another input device. Presents NeoPlanet (free), which uses **Internet Explorer** as a back engine to allow the user to add a friendlier, more attractive skin over the standard browser interface. (SPL)

Descriptors: Web Browsers; Upgrade; **User Interface** ; Visualization ; Plug-ins

35/5/57 (Item 6 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00501771 98FP07-004

**Take control: Windows 95 control panel applets let you customize your desktop**

Panepinto, Joe

FamilyPC , July 1, 1998 , v5 n7 p101-104, 3 Page(s)

ISSN: 1076-7754

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

BASIC TRAINING column instructs the reader on how to customize the **Windows 95** desktop. Includes an overview of the Display, Sounds, Mouse, Keyboard, and Multimedia selections found in the Control Panel under My Computer. Explains how to use the Display settings to change **background**, screen **saver**, desktop **colors**, and screen resolution; how to use Sounds to assign sounds to specific events and create sound schemes; how to create customized sounds using the Multimedia settings; how to reset buttons, pointers, and motion control with the Mouse settings; and how to select speed, language, and keyboard type using the Keyboard settings. Includes sidebar entitled ``Family PC Cheat Sheet: Control Panels'' (p104) with tips for working with, and changing, the control panel. Includes five screen displays. (kgh)

Descriptors: Computer Instruction; **Windows** ; Sound; Multimedia; Mouse; Keyboard; Color

35/5/60 (Item 9 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00442413 96RP11-001

**50 Windows 95 presentation software tips**

Jossi, Frank

Presentations , November 1, 1996 , v10 n11 p28-37, 8 Page(s)

ISSN: 1041-9780

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Presents 50 tips for using **Windows 95** presentation software. Discusses guidelines for effective use of PowerPoint 7.0, Freelance Graphics 96, Presentations 7, Astound 4.0, and Harvard Graphics 4.0. Contains the sidebar ``10 Tips for Better Presentations'' (p31) by Frank Jossi which advises against crowding slides with too many bullet points, making type larger, using a **colored background**, **keeping** graphs simple, using legible fonts, choosing the right output format, checking spelling, watching out for automatic elements, not mixing horizontal and vertical lines, and keeping work in native files. Includes six photos. (dpm)

Descriptors: Presentation Graphics; Computer Instruction; Window Software

35/5/61 (Item 10 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00429388 96HO07-003

**How to give your Win 95 PC a tune-up -- Microsoft's operating system offers built-in utilities, but specialized software does a better job. See how 10 easy-to-use...**

Zulich, Michael J

HomePC , July 1, 1996 , v3 n7 p80-92, 8 Page(s)

ISSN: 1073-1784

Company Name: Quarterdeck; Symantec; CyberMedia; Hewlett-Packard; McAfee

Product Name: CleanSweep 95; Norton Utilities for Windows 95; First Aid 95 Deluxe; **Colorado** Backup; VirusScan for Windows 95

Languages: English

Document Type: Buyer and Vendor Guide

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows 95

Geographic Location: United States

Focuses on ways to improve the performance and reliability of the Windows 95 **operating system** using third-party utilities. Claims that most anti-virus utilities detect over 5,000 viruses and run in the **background** and that to keep current with new viruses, they must offer regular updates. Attention is given to defragging hard disk drives to provide additional continuous sectors for large files, troubleshooting whether you have sufficient RAM available to run your installed programs, and checking the settings that launch programs. Also considers utilities to: prevent crashes, recover files dropped into the Recycle Bin by mistake, back up your hard drive, and uninstall programs. Describes programs that accomplish these services, such as Norton Utilities for Windows 95 (\$119) from Symantec (800, 408), First Aid 95 Deluxe (\$59) from CyberMedia (800, 310), and CleanSweep 95 (\$29) from Quarterdeck (800, 310). Includes three screen displays, two sidebars, and a list of vendors. (jo)

Descriptors: Utility Program; **Operating Systems** ; Window Software ; Virus; Troubleshooting

Identifiers: CleanSweep 95; Norton Utilities for Windows 95; First Aid 95 Deluxe; **Colorado** Backup; VirusScan for Windows 95; Quarterdeck; Symantec; CyberMedia; Hewlett-Packard; McAfee

35/5/63 (Item 12 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00417583 96PI03-018

**Microsoft Internet Explorer**

Muchmore, Michael W

PC Magazine , March 12, 1996 , v15 n5 p121-122, 2 Page(s)

ISSN: 0888-8507

Company Name: Microsoft

Product Name: Microsoft **Internet Explorer**

Languages: English

Document Type: Software Review



Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC Compatible

Geographic Location: United States

Presents a favorable review of Microsoft **Internet Explorer** v2.0 (a free download from Microsoft's Web site), an Internet browser from Microsoft Corp. of Redmond, WA (800, 206). The program offers a clean interface, HTML multimedia extensions, and secure sockets; and it is tightly integrated with Windows 95. Its HTML extensions include moving marquees, table alignments, **colors**, fonts, and **background** .WAV sound and .AVI video animation; and it has an installation wizard that makes installation ``a no-brainer.'' It has a Favorites feature that can be used to store related bookmarks (stored as shortcuts) in a common folder, and it has a multithreaded design that allows scrolling and performing other tasks while downloading. In the future, the program will include an integrated VRML viewer, OLE, Visual Basic scripting, and Java support. Claims that this program will give Netscape a run for its money. Includes one screen display. (djd)

Descriptors: Web Browsers; **Window Software**; Software Review; HTML; Internet; World Wide Web

Identifiers: Microsoft **Internet Explorer**; Microsoft

35/5/64 (Item 13 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00417461 96WN03-048

**Accelerated art: CorelXARA 1.1**

Bell, James

Windows Magazine , March 1, 1996 , v7 n3 p176, 1 Page(s)

ISSN: 060-1066

Company Name: Corel

Product Name: CorelXARA

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows; Microsoft Windows 95; Microsoft Windows NT

Geographic Location: United States

Presents a favorable review of CorelXARA v1.1 (\$289), a **drawing** program from Corel Corp. (800, 613). Runs on IBM PC compatibles with 8MB RAM, 8MB hard disk space, a CD-ROM drive, and **Windows 95**, 3.x, or **NT**. Indicates that CorelXARA **makes** it easy to **produce** extremely realistic vector-based illustrations, complete with highlights, reflections, and other transparent or translucent elements. Features include unlimited undo, solid **drawing** tools, precision down to 1/1000 of a point, and drag-and-drop visual ``galleries'' for **colors**, **lines**, fills, and fonts. States that CorelXARA is extremely fast, its 256- **color** palette helps **save** time, and the program has the outstanding ability to simulate smooth **color** gradients and build 24-bit images. However, notes that this package does not integrate well with the rest of the Corel **line**, and doesn't support OLE. Rates CorelXARA four out of a possible five **Windows**. Includes one screen display and a product summary. (jo)

Descriptors: **Drawing**; **Window Software**; Software Review; Art; **Color**

Identifiers: CorelXARA; Corel

35/5/67 (Item 16 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00393397 95PW08-032

**MSN links desktop and online**

Heim, Judy

PC World , August 1, 1995 , v13 n8 p124, 1 Page(s)

ISSN: 0737-8939

Company Name: Microsoft  
Product Name: Microsoft Windows 95  
Languages: English  
Document Type: Feature Articles and News  
Geographic Location: United States

Presents a discussion of the Microsoft Network (MSN), an online service integrated into Windows 95. This is the first instance of client software for an online service shipping with an **operating system**. The service has the look and feel of the desktop with forums contained in folders. The interface provides the features of a good word processor, e-mail and forum messages can be decorated with **colors**, fonts, bit-**mapped** graphics, and any OLE object. It can display graphics with photographic clarity and its file transmission and screen updates are speedy. MSN's content will probably be similar to that of other online services (a sidebar lists 13 sources of information on MSN), and Internet access will be added by late fall. At present, pricing for the service has not been announced, but it is expected to be aggressive. Includes one screen display. (djd)

Descriptors: Online Systems; **Window Software**; **Operating Systems**  
Identifiers: Microsoft Windows 95; Microsoft

35/5/68 (Item 17 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2003 EBSCO Pub. All rts. reserv.

00385464 95PK05-402

**Microsoft Plus Pack provides style, substance for Win 95**

Sullivan, Eamonn  
PC WEEK, May 29, 1995, v12 n21 p1, 100, 2 Page(s)  
ISSN: 0740-1604

Company Name: Microsoft  
Product Name: Microsoft Windows 95 Plus Pack  
Languages: English  
Document Type: Software Review  
Grade (of Product Reviewed): B  
Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows

95

Geographic Location: United States

Presents a favorable beta review of the Windows 95 Plus Pack (under \$50), a Windows 95 enhancement program from Microsoft Corp. of Redmond, WA (800). Runs on 486-based IBM PC compatibles with 8MB RAM, Windows 95, and a 256-**color** display to take advantage of the screen savers and display enhancements. Includes a **background** task scheduler, access to Internet mail via Microsoft Exchange, a well-integrated World-Wide Web browser, enhanced disk-compression utilities, and the components necessary to make a Windows 95 desktop a remote-access server. Specifies that its Microsoft **Internet Explorer** is a WWW browser customized to integrate with the Windows 95 **user interface**; DriveSpace 3 makes it easy to compress a drive, and allows for various amounts of compression, while its Compression Agent recompresses files even further; and the System Agent lets you schedule system-maintenance utilities such as Disk Defragmenter. Includes one screen display. (jo)

Descriptors: Utility Program; **Window Software**; Software Review;  
Remote Computing; Web Browsers; Internet; Compression  
Identifiers: Microsoft Windows 95 Plus Pack; Microsoft

35/5/80 (Item 29 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2003 EBSCO Pub. All rts. reserv.

00161293 88MU01-008

**Colorizer**  
Templin, Ben  
MacUser, Jan 1988, v4 n1 p92-94, 2 Pages  
ISSN: 0884-0997  
Languages: English

Document Type: Software Review

Grade (of Product Reviewed): C

Hardware/Software Compatibility: Macintosh II

Geographic Location: United States

Presents a mixed review of Colorizer (\$49.95), a program that add color to black and white graphics generated on a Macintosh II, from Palomar Software of Vista CA (619). It accesses the Mac II Color QuickDraw dialog box to control the tint of **windows**, scroll bars, applications that do not specify a **color background**, and of PICT graphics. The major drawback is that the screen images that are **saved with color**, are **saved in the Colorizer** format. Includes one screen display. (tjm)

Descriptors: COLOR GRAPHICS; SOFTWARE REVIEW

Identifiers: Colorizer; Palomar Software

35/5/83 (Item 3 from file: 94)

DIALOG(R) File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

02069263 JICST ACCESSION NUMBER: 94A0646101 FILE SEGMENT: JICST-E

**Study of the Color Evaluation on the Different of Various Distances and Color Differences. On the Case of Background Color of Rubber Dum Sheet Colors.**

KIJIMA SHIGEKAZU (1); MORI SUMINOBU (1); UBUKAWA NORIKO (1); MURAKAMI MISA (1); KATAYAMA IKUEMON (1)

(1) Meikai Univ., Sch. of Dent.

Nippon Shika Hozongaku Zasshi (Japanese Journal of Conservative Dentistry), 1994, VOL.37, NO.3, PAGE.802-809, FIG.3, TBL.7, REF.24

JOURNAL NUMBER: Y0096AAL ISSN NO: 0387-2343

UNIVERSAL DECIMAL CLASSIFICATION: 616.314-7

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: In case of color matching the tooth to be repaired, an applied shade guide often indicates a wrong hue due to the distance between the **shade guide and background colors**. Therefore, the influence of various distances and **color difference** on the **background color** of rubber dum sheet which consisted from ivory, green, blue and black color was elucidated. A 55\*90mm test card and a 10\*15mm color chip were selected to **keep certain color differences** (.DELTA.E\* ab) such as 0.0 (card A), 1.0 (card B), 2.4 (card C), 3.6 (card D), and 4.8 (card E). Two color chips were placed in the distances of such as 0, 2, 4, and 10mm on the test card. The test cards were matched to the identical colors of the ivory, green, blue and black rubber dum sheets. Sixty dental students and dentists with normal color sensibility were asked to make naked-eye observation according to the surface color comparison method (JIS Z 8723). The correct judgement for the color discrimination was studied using these cards and the following results were obtained: 1. In case of the ivory color, with the distance of 0mm, the correct answer rate for the cards A, C, D and E were not less than 95% and the card B was the lowest at 69%. Along with the increase of distance in the order of 0, 2, 4, and 10mm, the correct answer rate for the cards A and B was decreased remarkably and the cards C, D and E was small. 2. In case of the green color, with the distance of 0mm, the correct answer rate for the card A was 86%, cards C, D and E were not less than 97%, and the card B was the lowest at 50%. Along with the increase of distance in the order of 0, 2, 4 and 10mm, the correct answer rate for the cards A, C and D was decreased remarkably and cards B and E was small. 3. In case of the blue color, with the distance of 0mm, the correct answer rate for the card A was 76%, the card B was 69% and the cards C, D and E was not less than 98%. (abridged author abst.)

DESCRIPTORS: dental porcelain; dental esthetics; chromaticity; color difference; colorimetry; colorimetric analysis

BROADER DESCRIPTORS: dental material; medical material; material; dental care; therapy; degree; optical measurement; measurement; spectrochemical analysis; instrumental analysis; analysis(separation);

analysis

CLASSIFICATION CODE(S): GT06000B

Sét	Items	Description
S1	536013	DIALOG()BOX? OR WINDOW OR SPLASH()SCREEN? OR GUI OR GUIS OR GRAPHIC?()USER()INTERFACE? OR (PULL OR DROP)()DOWN()MENU? OR (NAVIGAT? OR USER) (2N) (INTERFACE? OR CONNECT?) OR CONTENT?(2N-)BOX?
S2	14407306	CREAT??? OR GENERATE? OR PRODUCE? OR DEVELOP? OR MAKE? ? OR ESTABLISH? OR DRAW???
S3	6822357	BORDER? OR BOUNDARY OR LIMIT? OR RESTRICTION? OR LINE? OR - THRESHOLD
S4	1366627	COLOR? OR COLOUR? OR HUE? OR SHADE? OR TINT? OR TONE?
S5	4661864	RESERVE? OR STOR? ? OR STORING OR SAVE? OR SAVING OR KEEP? ? OR KEEPING
S6	5198924	OPERATING()SYSTEM OR OS OR WINDOWS OR NT OR UNIX OR EXECUT- IVE? OR LINUX OR BIOS OR NBIOS OR DOS OR SOLARIS OR VMS OR SU- NOS
S7	430354	BACKGROUND OR BACK()GROUND OR BACKDROP
S8	1739496	DIFFERENTIAT? OR DISCRIMINAT? OR DISCERN? OR SEPARATE? OR - DISTINGUISH?
S9	374881	MAP OR MAPS OR MAPPED OR MAPPING
S10	55472	(PREVIOUSLY OR ALREADY OR PRIOR? OR BEFORE OR EARLIER OR F- ORMERLY) (2N) (DEFINE? OR DEFINING OR SPECIF? OR DESCRIB? OR ST- IPULAT? OR DESIGNAT?)
S11	733369	CROSS()PLATFORM? OR OPERATING()SYSTEM? OR HETEROGENEOUS()N- ETWORK? OR NETSCAPE()NAVIGATOR OR INTERNET()EXPLORER OR IE OR MOSAIC
S12	2899	S1 (S) S2 (S) S3 (S) S4
S13	927	S4 (3N) S5 (S) S6
S14	93	S1 (S) S2 (S) S4 (S) S7 (S) S8
S15	117	(S7 (3N) S4) (S) (S4 (3N) S5)
S16	0	S15 (S) S9 (S) S10 (S) S11
S17	0	S15 (S) S10 (S) S11
S18	0	S15 (S) S10
S19	0	SS13 (S) S6 (S) S7
S20	36	S13 (S) S7
S21	18	S12 (S) S13
S22	75	S1 (S) S8 (S) S10
S23	26	S22 (S) S11
S24	1233	S1 (S) S4 (S) S11
S25	86	S24 (S) S7
S26	6	S24 (S) S10
S27	68	S24 (S) S9
S28	117	S24 (S) S8
S29	9522	S1 (3N) S3
S30	2900	S29 (S) S2
S31	160	S30 (S) S11
S32	0	S31 (S) S10
S33	82	S20 OR S21 OR S23 OR S26
S34	76	S33 NOT PY>2001
S35	72	S34 NOT PD>20010614
S36	53	RD (unique items)
File	15:ABI/Inform(R)	1971-2004/Jan 20 (c) 2004 ProQuest Info&Learning
File	810:Business Wire	1986-1999/Feb 28 (c) 1999 Business Wire
File	647:CMP Computer Fulltext	1988-2004/Jan W2 (c) 2004 CMP Media, LLC
File	275:Gale Group Computer DB(TM)	1983-2004/Jan 20 (c) 2004 The Gale Group
File	674:Computer News Fulltext	1989-2004/Jan W2 (c) 2004 IDG Communications
File	696:DIALOG Telecom. Newsletters	1995-2004/Jan 15 (c) 2004 The Dialog Corp.
File	624:McGraw-Hill Publications	1985-2004/Jan 20 (c) 2004 McGraw-Hill Co. Inc
File	636:Gale Group Newsletter DB(TM)	1987-2004/Jan 20 (c) 2004 The Gale Group
File	813:PR Newswire	1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc  
File 613:PR Newswire 1999-2004/Jan 21  
(c) 2004 PR Newswire Association Inc  
File 16:Gale Group PROMT(R) 1990-2004/Jan 20  
(c) 2004 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 553:Wilson Bus. Abs. FullText 1982-2004/Dec  
(c) 2004 The HW Wilson Co

36/5,K/5 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00699634 93-48855

\*\*USE FORMAT 9 FOR FULL TEXT\*\*

**Software pick of the month**

Dolan, Donna R

Database v16n2 PP: 112 Apr 1993 ISSN: 0162-4105 JRNL CODE: DTB

DOC TYPE: Journal article LANGUAGE: English LENGTH: 1 Pages

WORD COUNT: 562

ABSTRACT: A review of the software package Quattro Pro for Windows, produced by Borland International, is presented.

**COMPANY NAMES:**

Borland International Inc (DUNS:10-276-0501 TICKER:BORL)

GEOGRAPHIC NAMES: US

DESCRIPTORS: Online ; Data bases; Software reviews

CLASSIFICATION CODES: 5240 (CN=Software & systems); 9120 (CN=Product specific); 9190 (CN=United States)

...TEXT: Scotts Valley, CA 95067 8400; (800) 331-0877; FAX, (408) 438-8696  
PRODUCT DESCRIPTION: Quattro Pro for **Windows** brings the familiar DOS-based Quattro Pro 3-D electronic spreadsheet software program to the **Windows** environment. Features a notebook-for-document metaphor, with each notebook containing up to 255 named pages; labeled...

... and can also be used directly in formulas. Allows you to set attributes by page, including: grid line display, protection levels, zero display, column-width defaults. Model Copy command replicates a 2-D range on a new page and updates absolute values; Menus on Demand displays **dialog box** corresponding to attributes for any clicked item; UI Builder **creates dialog boxes** and Speedbars with single-click commands. No code is needed to link UI objects with dropdown lists...

... and label series tool, and sum button. 3-D graphs can rotate, accept fill and bitmapped images. **Drawing** tools include **lines**, polylines, rectangles, ellipses, arrows, polygons, adjustable snap-to grids, object alignment tools. Slide show utility included; **save** feature carries font, **color**, shading and other formatting elements across a series of slides; 24 transition special effects; Graph Page stores...

36/5,K/6 (Item 6 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00639826 92-54766

\*\*USE FORMAT 9 FOR FULL TEXT\*\*

**Reviews: DesignCAD Macintosh 3.0.1**

Gonzales, Daniel M.

Macworld v9n11 PP: 159-160 Nov 1992 ISSN: 0741-8647 JRNL CODE: MAW

DOC TYPE: Journal article LANGUAGE: English LENGTH: 2 Pages

WORD COUNT: 1190

ABSTRACT: DesignCAD Macintosh 3.0.1 from Design CAD provides modeling and rendering features usually found only in more expensive packages. The program is a true surface modeler, with design and editing tools to create almost any shaped object. The program has a complete assortment of design, editing, and dimensioning tools. DesignCAD displays all 4 views (front, side, top, and isometric) in tiled windows on startup. The windows are handy for orientation but are not set up practically. All windows redraw every time a change is made. Architects may have problems with DesignCAD's window environment because true sections cannot be created through a model. Objects cannot be temporarily hidden from view, so working on individual

objects can be disorienting. The program includes Importer and Xporter file translators, which have a variety of uses. The biggest shortcoming is the program's speed, especially in making selections, redrawing, and rendering. The instructions do not include step-by-step guides or tutorials. Industrial or product designers should find this program useful.

COMPANY NAMES:

DesignCAD (DUNS:61-314-3817)

GEOGRAPHIC NAMES: US

DESCRIPTORS: Software reviews; Computer based modeling; CAD; Advantages;

Disadvantages; Applications

CLASSIFICATION CODES: 9190 (CN=United States); 9120 (CN=Product specific);

5240 (CN=Software & systems)

...TEXT: do.

The four-way tiled views are of limited value with 13-inch monitors. You need big **windows** for display at a workable scale--especially with architectural models. Of course, you can always close one or more of the views while you work. You can also **save** viewing preferences (**background color**, grid and axis lines, angle of isometric view, and so on) for the **windows** as a setup file for future use.

Architects may have problems with DesignCAD's window environment because...

36/5,K/7 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext

(c) 2004 CMP Media, LLC. All rts. reserv.

01181813 CMP ACCESSION NUMBER: WIN19990101S0065

**Less Power to You - Is your Windows PC a power hog? And if so, what can you do about it?** (Optimize Windows)

John Woram

WINDOWS MAGAZINE, 1999, n 1001, PG162

PUBLICATION DATE: 990101

JOURNAL CODE: WIN LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: How To

WORD COUNT: 1550

TEXT:

If you're a certified road warrior, you need no further training in the fine art of laptop power tweaking. After a few extended road trips you know the combination of display and hard drive power that squeezes the most quality time out of your battery. Back at the desktop, however, with all that AC pouring out of the walls, you're not worried about battery preservation, so you often leave power management to a screen saver, or perhaps ignore it completely. Yet more and more monitors and PCs offer power options, so I thought it was time to see what these options would do for you.

COMPANY NAMES (DIALOG GENERATED): Advanced Power Management ; Microsoft ; Power Management ; System Devices ; Test Tool ; Windows Hardware Quality Labs

... mode. Further tests showed that where current draw is concerned, the best screen saver is no screen **saver** and no **background color**. A full-screen **DOS** window drew only 0.61 amps, which is lower than the published standby mode.

With the Win98...

36/5,K/10 (Item 4 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext

(c) 2004 CMP Media, LLC. All rts. reserv.



**Canon IX-4015**

David A. Harvey and Richard Santalessa

WINDOWS MAGAZINE, 1994, n 506 , 284

PUBLICATION DATE: 940601

JOURNAL CODE: WIN LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Reviews

## TEXT:

1,000 Flatbed Scanners Make Sharp Images Canon IX-4015 n Epson ActionScanning System and ES-800C Pro Scanning System n Hewlett- Packard ScanJet IICx n Microtek ScanMaker IISP n UMAX UC840 Scanners used to be only for artists and designers. But no more. Increasingly these machines are winding up in common business settings. They're being used to capture both images and text, the former for input to desktop publishing packages or image editors, the latter for processing by OCR (optical character recognition) software (see the sidebar, "The ABC's of OCR") and, ultimately, for input to a word processor. Their increasing popularity is due in large part to falling prices. You can pay less than \$1,000 for a high-resolution color scanner, a price that was unthinkable just a few years ago. We tested five flatbed scanners with street prices of around \$1,000. To qualify, they had to scan at a minimum of 300 dots per inch (dpi) in true- color mode, support an automatic document feeder (ADF) and come bundled with a collection of end-user software. All the scanners we looked at had resolutions higher than 300 dpi, but these higher resolutions are obtained via software interpolation. Under certain circumstances, interpolation can effectively double the "true," or optical, resolution of an image. Still, resolutions much greater than 400 dpi are overkill for most ordinary business applications. In addition, scanning at these resolutions can produce unmanageably large files, as does scanning at 24-bit color depth. For any serious 24-bit image editing, plan on a minimum of 16MB of RAM and a large swap file. Most of the scanners here are compatible with SCSI-1 or SCSI-2 and interface to a host adapter via an ASPI (advanced SCSI programming interface) driver or proprietary SCSI adapters. The Epson ES-800C Professional scanner is unique in its support of both SCSI and an enhanced bidirectional parallel interface; this configuration means you can hook the scanner up to a PC and a Mac simultaneously. ASPI, unfortunately, isn't always ASPI. In several instances we found that the ASPI drivers supplied with the scanners would work with only one brand of interface card. One way to avoid plunging into the proverbial SCSI inferno is to use CorelSCSI 2.0, which has built-in support for TWAIN-compliant scanners (TWAIN is a de facto standard for inter- facing scanners, fax modems and similar devices). CorelSCSI neatly side-steps the hassles of supporting multiple peripherals on your SCSI bus. If you have a SCSI card already installed, your best bet is to pick a scanner that supports ASPI and hook the scanner to your SCSI chain. That's because some of the proprietary SCSI cards require a 16KB block of upper memory, which is not a trivial matter in systems already loaded with fax modem, sound, SCSI, network, high-end graphics and other cards. Even so, until the advent of TWAIN, getting a Windows app to speak to a scanner required the digital equivalent of 75 United Nations translators: Virtually every program came with diskettes full of scanner drivers, and if your model wasn't included, you were out of luck. TWAIN has made this almost a thing of the past - virtually every Windows app worth its salt supports the standard. So, too, did all our scanners, although several older, supposedly TWAIN- compatible programs weren't truly TWAIN-enabled and didn't recognize the scanners. Our tests fell into four major categories: installation, image acquisition and quality, and suitability for OCR. The installation tests involved installing the hardware on several different systems and checking for compatibility with existing hardware. We also gauged the overall ease of the installation process. Image acquisition was the measure of the relative speed of the device in scanning a 24-bit image, the accuracy of both corrected and uncorrected scans (we looked at the images at 1024x768x24 and 800x600x24), and the various image options served up by the TWAIN scan -ning module. The OCR tests taxed the ability of the

scanners to pull in clean black-and-white **line**-art scans, the facility of the ADF at handling multiple pages, including stapled documents that had been ripped apart, and the relative speed of the scanner. In all tests, we paid attention both to the technical quality of scans and the performance of the scanner, as well as to its ease of use. The low-cost scanner market is growing, and there are new entrants all the time. Too late for inclusion in this review, we learned of two new low-cost flatbed scanners. The Agfa StudioScan (\$1,100; 800-685-4271, 508-658-5600) and the Envisions ENV8100 Scanner Plus (\$799; 800-365-7226, 415-692-9061) offer **color** scanning, high resolution and bundled software. For some buying basics, see this month's special pullout page. The Canon IX-4015 is the newest and the smallest unit we looked at (its dimensions are 3.25 by 11.25 by 16 inches), even with the optional 20-page ADF attached. Its compactness **makes** it an ideal choice for cramped offices. The scanning area can handle letter-sized and A4 documents at 400x800 dpi (with interpolation to 800x800 for **color** or 800x1200 for monochrome images). The Canon Quick Start card and manual superbly detail each step of the installation and operation, including complete listings and explanations of the many support numbers (BBSs, CompuServe, fax back and so on), files, drivers and error messages. An additional read-me file has information about nine application releases that either don't work with the ADF or TWAIN driver, or exhibit problems. The only change the installation will cause in your CONFIG.SYS and AUTOEXEC.BAT files is an SI4.SYS driver that takes 18KB of conventional or high memory. While the IX-4015 doesn't include a **color** calibration sheet, we didn't find the omission to be a problem. The bundled copy of Light Source's remarkable Ofoto 2.0 software takes the guesswork out of inputting images. Its one-click scanning matches the pixel depth and **color** rendition of your intended output device (by using its patented adaptive calibration). For users accustomed to setting scanner resolution and **color** depth manually, Ofoto takes some acclimation. Still, you can't argue with its results, even though it is slower than pulling an image directly into a retouching program such as Adobe Photoshop. Our detailed testing revealed that the combination of the IX-4015's scan engine and xenon lighting (most scanners use fluorescent lights) with Ofoto's autoscanning prowess resulted in very accurate **color** reproductions with balanced **color** and proper exposure. The Canon matched the quality of the acclaimed HP ScanJet IICx and Microtek ScanMaker IISP at scanning **color** pictures; it displayed broad **color** spectrums and fine details for low-light, high-contrast pictures as well as those taken in daylight. Likewise, the scan of an AGFA **color** test chart yielded an image stunningly faithful to the original. Tests also showed that the Canon's ability to scan gray-scale and **line**-art images were as good as it gets in this class of scanners. Despite the wonders of Ofoto, the 1.01 TWAIN **dialog box** of the IX-4015 is not as capable or loaded with features as that of the ScanJet or ScanMaker. Beyond setting the dpi, image type (**color**, gray scale, **line** art) and gamma modifications of a scan, there aren't many options offered in the dialog that could be considered special, distinctive or time-saving especially for half-toning. For instance, there are only eight preset patterns compared with the ScanJet's plateful of half-tone patterns. Although not as fast as either the ScanJet or the Epson ES-800C Pro Scanning System, the IX-4015 was on a par with the Microtek ScanMaker. Using the ADF for OCR, it took an average of 17 seconds to scan each page. Overall, the IX-4015 is a terrific scanner for the small office. Its small footprint, easy operation, solid documentation and Ofoto 2.0 software **make** it a good value. With additional software bundled in and a slight cut in the \$1,175 price tag, the IX-4015 could depose the HP ScanJet as the king of desktop scanners. Epson ActionScanning System and Epson ES-800C Pro Scanning System We looked at two Epson offerings. The ES-800C features an optical resolution of 400x800 dpi that can be interpolated up to 800 dpi, and the ActionScanning System has a 300x600-dpi optical resolution that can be interpolated up to 600x1200 dpi. The ES-800C is one zippy scanner, coming in second only to the HP ScanJet IICx and blasting past the others in our roundup in scanning speed. With respect to image quality, the ES-800C delivered crystal clear scans that ranked near the ScanJet and Canon IX-4015. The ES-800C scans images in a single pass using three fluo-rescent lamps. A single xenon lamp provides the illumination

for the Action- Scanning System, which differs both in speed and quality from its elder sibling. With its three-pass scanning, the Action-Scanning System turns in times close to the UMAX UC840 and its quality lies somewhere between that of the UMAX and the Canon. The software bundled with the Epson scanners varies with the model. The ES-800C comes with the full version of Micrografx's Picture Publisher 4.0, while the ActionScanning System comes with Xerox's TextBridge OCR and Picture Publisher 4.0 LE. Installation is extremely flexible. The ES-800C has two built-in Centronics SCSI ports and a Centronics parallel port. Our test model came bundled with an Adaptec AHA1510 SCSI host adapter; we also tested it with the bidirectional parallel board that came with the ActionScanning System. In either case, installation is fairly painless. The bidirectional parallel interface can be installed as LPT1 or 2, and the AHA1510 grabs an interrupt and a port address. You can also attach the scanner to any ASPI-compliant SCSI card, so long as that card serves as your primary SCSI adapter. The ActionScanning System comes with either SCSI or parallel ports (but not both); other than that, installation is the same as for the ES-800C. Epson's installation routine runs under **Windows** and loads the 2KB Epson scanner driver, which works with both the parallel and SCSI modes. If you have an Adaptec card, the ASPI manager will be loaded automatically during installation. Epson's 30-page document feeder will work with either the ES-800C or the ActionScanning System. It is something of a strange bird, though, since it doesn't deliver the pages flat onto the scanning surface. You clip the unit onto the scanner over a small (approximately 1/2-inch) strip of glass that's normally hidden by the back of the cover, and then the scanner moves a lamp directly under the narrow strip of glass. The pages are moved on a curved paper path past the glass and the lamp does the scanning. This process does seem to slow the sheet feeder, although it didn't detract from recognition accuracy when we compared it with a flat-scanned sheet passed through the sheet feeder. The TWAIN module (supplied with both scanners) is the least flexible of all those we tested. It does provide a great deal of assistance in delivering your scan to its final output, much like the HP module does, but it's difficult to change the resolution and even then you can't specify a custom dpi value. Also missing are the automatic adjustment features found in the ScanJet and UMAX scanning modules. The ES-800C is an excellent scanner, but seems a bit expensive. Epson serves up a quality offering with a rather **limited** software bundle. Unlike HP's, Epson's TWAIN module needs serious renovation. The ActionScanning System seems like a good value, and competes well with the Microtek ScanMaker. You can get the ES-800C sans Picture Publisher for \$1,399, but we still feel that Epson should put its prices more in **line** with the ScanJet if it wants to compete. Hewlett-Packard ScanJet IIcx There's little not to like about HP's ScanJet IIcx. From its neo-avant-garde design through its side-feeding document feeder, to the sophisticated TWAIN module, the HP consistently delivered superior quality and top performance. Bundled with Aldus PhotoStyler SE, this SCSI scanner with a top resolution of 400x800 dpi still lacks an OCR package and a preprinted **color** calibration chart but, nonetheless, retains its title as king of the scanners. HP has a funny way of saying SCSI. While the scanner's implementation of SCSI will warm the hearts of the owners of adapters that are CAM (common access methods) or ASPI compatible, the physical connections leave something to be desired. Rather than building two standard Centronics SCSI connectors onto the ScanJet, HP gives you one 25-pin d-subminiature female and one Centronics connector. All this is moot if you're simply going to attach the ScanJet to the supplied NCR-based 8-bit SCSI card and then string the 25-pin-to-Centronics cable from the adapter to the scanner. All that's left to do in that case is to pop the 25-pin flow-through terminator onto the scanner's 25-pin d-subminiature connector. If you're building SCSI empires, however, you'll be more than grateful for the cable. The only ways to add the ScanJet to an existing chain are either to put it at the end (using the same cabling arrangement as with the adapter), or to use HP's cable to go from the scanner's 25-pin connector to the next device's Centronics port. Port-hookup anomalies aside, setting the ScanJet up is a breeze. Rather than installing and configuring the hardware first, HP's installation begins with the software and takes place in **Windows**. The setup program

lets you either install the HP interface card or add the scanner to an existing SCSI chain (ASPI or CAM). Then it copies and installs the appropriate drivers in your CONFIG.SYS and SYSTEM.INI files and **creates** a program group called DeskScan. You now have to pop the card into your system (it auto-matically selects one of eight possible port addresses), connect the cables, unlock the scanner and you're done. Boot your computer and start **Windows**, and, with PhotoStyler SE installed and the scanner's twin fluorescent lights blazing across the 8.5- by 14-inch scanning area, it's obvious why the ScanJet IICx has received so many laurels. Take scanning speed for starters. With an optical resolution of 400 dpi and an interpolated maximum resolution of 1600 dpi, this scanner whipped through our speed tests faster than any other device we tested. The beige ADF with its teal document-control levers is more than just a pretty accessory. Able to handle up to 50 sheets of 20-pound paper (in sizes ranging from 5 by 7 inches to 8.5 by 14 inches), the feeder sucks documents onto the scanning surface, and then spits them out the other side. The ADF was fast and, since it was coupled with HP's AccuPage Technology (supported by Caere's OmniScan 5.0 software), the results of our batch tests were impressive. Hardware alone does not a superior product **make** HP's software is where the ScanJet really shines. First of all, built into the scanner's guts are a host of image processing options, including scaling, dithering, mirroring, filtering, HP's AccuPage technology and more. Also, HP's DeskScan group contains a readme file, a scanner test utility, a SCSI Addresses applet that checks your SCSI peripheral chain, and HP's flagship DeskScan II scanning module. You get to DeskScan II either by clicking on its icon in the DeskScan group or via a TWAIN-compliant Applications Acquire command. Ease of use is DeskScan's middle name; you have easy access to a feature set that's so rich and powerful it gives most image-editing packages a run for their money. And, if tweaking pixels isn't your style, you can activate a slew of automatic features and let DeskScan scan, crop and adjust your image automatically. For example, we scanned an image that had a large amount of white space around it. DeskScan recognized the area of the image, adjusted the brightness and contrast, and automatically tuned the highlights all options we had selected in the preferences dialog. Even without DeskScan, the HP's **color** images were crisp and accurate. After processing in DeskScan, the HP-**generated** test images were clearly the best of the bunch. There's simply not enough room to detail all of DeskScan's features: You can sharpen, enlarge, adjust shadows, high-light, tweak halftones, **create** a mirror or negative image and much more. Desk-Scan operates on two basic criteria: the type of image you're scanning and the path over which you'll output the image. Thus, it provides controls appropriate to different image types and paths. Calibration is also path-based. If you wish to calibrate your scanner for output on a **color** ink jet printer, for example, DeskScan **generates** a calibration chart, feeds it to your printer and then asks you to place the freshly printed chart on the scanner. From there you and DeskScan adjust **color** levels to optimize output. Another option lets you adjust your screen, ensuring that the intermediate image is as **color**-accurate as possible. The combination of DeskScan and the ScanJet IICx is truly a winner in value, performance and quality. Throw in the ADF and you have an all-purpose scanning system that'll skate rings around the competition. Microtek ScanMaker IISP Combining an aggressive price with excellent **color** rendition and the one-two bundled software punch of Adobe's Photoshop 2.5 LE and Caere's PageKeeper Portfolio document management package, the one-pass Microtek ScanMaker is a perennial favorite with a lot to offer. The ScanMaker's focus on value **produces** dynamic results. To ensure accurate **color** reproduction, Microtek's DCR (Dynamic **Color** Rendition) calibration software and IT8 calibration chart tune your scanner, monitor and printer to **keep** pure **color** flowing throughout your system. Although calibration is a simple process, getting there is more complex than it should be. First, you install the hardware either using the supplied SCSI card or hooking into your existing SCSI chain. Next you run the DCR setup program to install the ScanMaker's TWAIN 1.45 driver and **create** a Microtek Calibration group. Then you need to inform the TWAIN driver about the memory location the hardware card is using. At this point, after rebooting, if you try to start the calibration software, you'll get a **dialog box** telling you to acquire an image from

Photoshop first which means you need to install Photoshop. Once you've got Photoshop loaded and the scanner's TWAIN driver selected, pick the memory block in which the SCSI board is sitting. Now, with the scanner configured and operational, you can finally run the calibration program which is extremely easy to use. Slap the calibration chart down on the scanner bed, and in a few seconds you're done. Calibrating the ScanMaker's driver to match your monitor takes another 30 seconds max. The ScanMaker uses a daylight fluorescent bulb that's on whenever the scanner is powered, giving good **color** quality. Although our installation was marred by a faulty SCSI card, with one quick call to tech support our problem was accurately diagnosed and a replacement part was on its way. Tech support couldn't do anything about the 4-foot SCSI cable, however, which is on the short side. And after the Canon's sterling documentation, we found the Microtek manual a small step back; all the information is there, but the 27-page operation manual doesn't tell you that the real operation manual detailing all TWAIN operations is in the box containing the DCR driver software. With Photoshop LE and PageKeeper Portfolio, the ScanMaker includes the only two scanning programs you may ever need. An upgrade coupon in the LE box gets you the complete Photoshop version for \$295, while PageKeeper Portfolio is a slimmed down edition of Caere's terrific Personal PageKeeper OCRing and document indexing and management program. Although the ScanMaker's maximum hardware resolution of 300x600 dpi is lower than those of the other scanners we tested, this should be a problem for only the most demanding scanning users, especially since the scanner can **produce** 1200x1200-dpi images via driver inter-polation. The ScanMaker's TWAIN dialog offers a stunning range of controls and options if ScanMaker's dialog can't control it, you probably don't need it. Starting with the ubiquitous preview **window** area, the TWAIN dialog supplies a handy zoom view for fine selections, a detailed brightness control with preview, an excellent gamma command, an eye-dropper to check the range of a preview **color** and a marquee selection tool. With each scan-mode change, from **color**, to gray scale, to **line art**, to **half-tone**, the dialog changes to offer the proper controls. Regardless of the scan mode selected, the ScanMaker always lets you know the size of the file that will be **produced** by scanning the selected area. But wait, there's more. Beyond scan and image controls, the ScanMaker's driver provides an automatic contrast setting and various effects. You can select a filter to apply blurs, to sharpen, to enhance edges and to emboss. You can also choose mirror, or inverted images, and you can pick from a wide range of halftone patterns optimized for different output devices. The bundled software will be of little interest to users with high-powered graphics setups already in place and this scanner's true resolution is lower than the others tested. Still, its low price, excellent **color** quality and mature design add up to a solid value. UMAX UC840 After testing the other scanners in this group, the UMAX UC840 seems like a throwback. It even looks outdated. This scanner can handle legal-sized sheets, and has an optical resolution of 400x800 dpi and a maximum interpolated resolution of 1600 dpi. But it's the slowest and least accurate of the scanners we tested. It uses a single fluorescent bulb that's always lighted (it shipped with an extra bulb). But the UC840 comes with the best array of software we came across: Micro-grafx's Picture Publisher LE and **Windows Draw** LE, and Cognitive's CuneiForm OCR and Business Card Reader. Most notable of these is Business Card Reader, a utility that is a must for trade-show regulars. Pop up to eight business cards onto the scanning surface, click on Scan and, presto, Business Card Reader recognizes the fields on the cards and stuffs them into the correct fields in the database. Recognition accuracy was astounding. The software misplaced fields only rarely (a person's title being recognized into a name field) and even then a quick drag-and-drop from the image to the database portions of the screen corrected the error. Unfortunately, the UC840 doesn't reach the same lofty heights as Business Card Reader. The UMAX didn't hold up to the other scanners in either performance or quality. The three-pass scanning method (one pass each for red, green and blue) took three to four times longer than the other scanners to accomplish the same task. Even in **line-art** and gray-scale modes, the UMAX shuffled along at the back of the pack. Images seemed somewhat washed out and **colors** were not as accurate as those of the other scanners. In

addition, a problem with the scanner caused the edges of documents placed next to the vertical ruler to be terribly overexposed. Like the ScanJet, the UC840 is a SCSI scanner and comes bundled with an 8-bit NCR-based SCSI adapter with a 25-pin d-sub female connector. Also like the ScanJet, the UMAX scanner has both a 25- and 50-pin Centronics port. The supplied cable consisted of a 25-pin male plug for the SCSI card and a two-sided pass-through SCSI connector for the scanner. Installation requires you to set a row of DIP switches on the adapter card: There are enough available port addresses that you're not likely to have a problem. Unfortunately, the manual gives switch settings for only six addresses you'll have to turn to the scanner test utility to find the rest. Once the card's plugged in, you run the **Windows**-based setup utility (which also lets you set up the scanner for use with an ASPI card though no mention of this is made in the manual). Back in **Windows** after setup, you'll find a program group with a scanner test app, the Setup utility, a readme document and an excellent help file that did a far better job providing useful information than the terse and elliptical manual. The UMAX's TWAIN module provided the basics (images are acquired only through TWAIN, since there is no provision for standalone scanning). The rough-hewn interface contained the ever-present preview area, resolution and **color**-depth selectors, brightness and contrast sliders, and a few useful tools. Though the straight dpi adjustment (no confusing synonyms like path or printer) was refreshing, the UMAX had neither the breadth nor depth of features found in the HP or Canon offerings.

#### TEXT:

... SCSI, network, high-end graphics and other cards. Even so, until the advent of TWAIN, getting a **Windows** app to speak to a scanner required the digital equivalent of 75 United Nations translators: Virtually every...

...you were out of luck. TWAIN has made this almost a thing of the past - virtually every **Windows** app worth its salt supports the standard. So, too, did all our scanners, although several older, supposedly...

...module. The OCR tests taxed the ability of the scanners to pull in clean black-and-white **line**-art scans, the facility of the ADF at handling multiple pages, including stapled documents that had been...  
...508 -658-5600) and the Envisions ENV8100 Scanner Plus (\$799; 800-365-7226, 415-692-9061) offer **color** scanning, high resolution and bundled software. For some buying basics, see this month's special pullout page...

...25 by 11.25 by 16 inches), even with the optional 20-page ADF attached. Its compactness **makes** it an ideal choice for cramped offices. The scanning area can handle letter-sized and A4 documents at 400x800 dpi (with interpolation to 800x800 for **color** or 800x1200 for monochrome images). The Canon Quick Start card and manual superbly detail each step of...driver that takes 18KB of conventional or high memory. While the IX-4015 doesn't include a **color** calibration sheet, we didn't find the omission to be a problem. The bundled copy of Light...

...software takes the guesswork out of inputting images. Its one-click scanning matches the pixel depth and **color** rendition of your intended output device (by using its patented adaptive calibration). For users accustomed to setting scanner resolution and **color** depth manually, Ofoto takes some acclimation. Still, you can't argue with its results, even though it...

...and xenon lighting (most scanners use fluorescent lights) with Ofoto's autoscanning prowess resulted in very accurate **color** reproductions with balanced **color** and proper exposure. The Canon matched the quality of the acclaimed HP ScanJet IICx and Microtek ScanMaker IISP at scanning **color** pictures; it displayed broad **color** spectrums and fine details for low-light, high-contrast pictures as well as those taken in daylight. Likewise, the scan of an AGFA **color** test chart yielded an image stunningly faithful to the original. Tests also showed that the Canon's

ability to scan gray-scale and **line**-art images were as good as it gets in this class of scanners. Despite the wonders of Ofoto, the 1.01 TWAIN **dialog box** of the IX-4015 is not as capable or loaded with features as that of the ScanJet or ScanMaker. Beyond setting the dpi, image type (**color**, gray scale, **line art**) and gamma modifications of a scan, there aren't many options offered in the dialog that...

...For instance, there are only eight preset patterns compared with the ScanJet's plateful of half-**tone** patterns. Although not as fast as either the ScanJet or the Epson ES-800C Pro Scanning System...

...ner for the small office. Its small footprint, easy operation, solid documentation and Ofoto 2.0 software **make** it a good value. With additional software bundled in and a slight cut in the \$1,175...  
...than that, installation is the same as for the ES-800C. Epson's installation routine runs under **Windows** and loads the 2KB Epson scanner driver, which works with both the parallel and SCSI modes. If...an excellent scanner, but seems a bit expensive. Epson serves up a quality offering with a rather **limited** software bundle. Unlike HP's, Epson's TWAIN module needs serious renovation. The ActionScanning System seems like...

...Picture Publisher for \$1,399, but we still feel that Epson should put its prices more in **line** with the ScanJet if it wants to compete. Hewlett-Packard ScanJet IIcx There's little not to...

...SCSI scanner with a top resolution of 400x800 dpi still lacks an OCR package and a preprinted **color** calibration chart but, nonetheless, retains its title as king of the scanners. HP has a funny way...

...installing and configuring the hardware first, HP's installation begins with the software and takes place in **Windows**. The setup program lets you either install the HP interface card or add the scanner to an...

...Then it copies and installs the appropriate drivers in your CONFIG.SYS and SYSTEM.INI files and **creates** a program group called DeskScan. You now have to pop the card into your system (it auto...

...port addresses), connect the cables, unlock the scanner and you're done. Boot your computer and start **Windows**, and, with PhotoStyler SE installed and the scanner's twin fluorescent lights blazing across the 8.5  
...

...0 software), the results of our batch tests were impressive. Hardware alone does not a superior product **make** HP's software is where the ScanJet really shines. First of all, built into the scanner's...

...the highlights all options we had selected in the preferences dialog. Even without DeskScan, the HP's **color** images were crisp and accurate. After processing in DeskScan, the HP-**generated** test images were clearly the best of the bunch. There's simply not enough room to detail all of DeskScan's features: You can sharpen, enlarge, adjust shadows, high-light, tweak halftones, **create** a mirror or negative image and much more. Desk-Scan operates on two basic criteria: the type...

...paths. Calibration is also path-based. If you wish to calibrate your scanner for output on a **color** ink jet printer, for example, DeskScan **generates** a calibration chart, feeds it to your printer and then asks you to place the freshly printed chart on the scanner. From there you and DeskScan adjust **color** levels to optimize output. Another option lets you adjust your screen, ensuring that the intermediate image is as **color**-accurate as possible. The combination of DeskScan and the ScanJet IIcx is truly a winner in value...

...system that'll skate rings around the competition. Microtek ScanMaker IISP Combining an aggressive price with excellent **color** rendition and the one-two bundled software punch of Adobe's Photoshop 2.5 LE and Caere

...Microtek ScanMaker is a perennial favorite with a lot to offer. The ScanMaker's focus on value produces dynamic results. To ensure accurate color reproduction, Microtek's DCR (Dynamic Color Rendition) calibration software and IT8 calibration chart tune your scanner, monitor and printer to keep pure color flowing throughout your system. Although calibration is a simple process, getting there is more complex than it...

...Next you run the DCR setup program to install the ScanMaker's TWAIN 1.45 driver and create a Microtek Calibration group. Then you need to inform the TWAIN driver about the memory location the...  
...At this point, after rebooting, if you try to start the calibration software, you'll get a dialog box telling you to acquire an image from Photoshop first which means you need to install Photoshop. Once...

...The ScanMaker uses a daylight fluorescent bulb that's on whenever the scanner is powered, giving good color quality. Although our installation was marred by a faulty SCSI card, with one quick call to tech...

...this should be a problem for only the most demanding scanning users, especially since the scanner can produce 1200x1200-dpi images via driver interpolation. The ScanMaker's TWAIN dialog offers a stunning range of...

...s dialog can't control it, you probably don't need it. Starting with the ubiquitous preview window area, the TWAIN dialog supplies a handy zoom view for fine selections, a detailed brightness control with preview, an excellent gamma command, an eye-dropper to check the range of a preview color and a marquee selection tool. With each scan-mode change, from color, to gray scale, to line art, to half-tone, the dialog changes to offer the proper controls. Regardless of the scan mode selected, the ScanMaker always lets you know the size of the file that will be produced by scanning the selected area. But wait, there's more. Beyond scan and image controls, the ScanMaker...  
...and this scanner's true resolution is lower than the others tested. Still, its low price, excellent color quality and mature design add up to a solid value. UMAX UC840 After testing the other scanners...

...comes with the best array of software we came across: Micro-grafx's Picture Publisher LE and Windows Draw LE, and Cognitive's CuneiForm OCR and Business Card Reader. Most notable of these is Business Card...took three to four times longer than the other scanners to accomplish the same task. Even in line-art and gray-scale modes, the UMAX shuffled along at the back of the pack. Images seemed somewhat washed out and colors were not as accurate as those of the other scanners. In addition, a problem with the scanner...

...the scanner test utility to find the rest. Once the card's plugged in, you run the Windows-based setup utility (which also lets you set up the scanner for use with an ASPI card though no mention of this is made in the manual). Back in Windows after setup, you'll find a program group with a scanner test app, the Setup utility, a...

...no provision for standalone scanning). The rough-hewn interface contained the ever-present preview area, resolution and color-depth selectors, brightness and contrast sliders, and a few useful tools. Though the straight dpi adjustment (no...

36/5,K/13 (Item 7 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

00517260 CMP ACCESSION NUMBER: NWC19920501S1417  
Remote Windows: Much Clearer Now (Workshop 1)  
Gary A. Bolles



NETWORK COMPUTING, 1992, n 305 , 152  
PUBLICATION DATE: 920501  
JOURNAL CODE: NWC LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Workshops  
WORD COUNT: 1722  
TEXT:

When we last looked at remote access products supporting Microsoft Windows, the technology was pretty dismal. Remote displays slowly drew screens pixel by pixel, and few vendors could support a mouse cursor at any usable speed. But now, due to advances in the technology, and by staying within certain guidelines, we're pleased to report that remote Windows has actually become pleasant to use as long as you know what you are doing.

... these pixels across the link, requiring significantly more information, and time, than vector images. When working in **Windows** from a remote location, it becomes quite important to be very careful not to overlay even a small section of a bit-mapped image with another window, as **Windows** will need to redraw the hidden portion when it is re-displayed. This translates to large amounts...

...course, wallpaper bitmaps are part of this, so when operating remotely it is key to set up **Windows** ' **background** to solid **Windows background colors** . And also **keep** in mind that while not as slow as bitmaps, files using an extensive number of fonts have...

36/5,K/14 (Item 8 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

00515912 CMP ACCESSION NUMBER: WIN19920501S0060  
**Tapping Into Tru Color - Exploring the new 24-bit color standard for Windows**  
Eric Rayel  
WINDOWS MAGAZINE, 1992, n 304 , 98  
PUBLICATION DATE: 920501  
JOURNAL CODE: WIN LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Feature  
WORD COUNT: 1828  
TEXT:

The emergence of Windows 3.0 as the definitive standard for PC graphics has opened up a new world of powerful applications that exploit the capabilities of true color. If you are a typical corporate Windows user of spreadsheet, database and text applications, you probably find 256-color VGA more than adequate. But if you're a CAD/CAM user, an illustrator or a graphic designer, you need a "deeper" color display. You need true color.

... GDI). GDI supports a 24-bit/pixel color selection mechanism similar to that of Color QuickDraw.

With **Windows** , a color can be specified as either an index to an entry in a palette of colors...

...request colors by specifying an index to the palette. When a window has input focus (is selected), **Windows** ensures that the window displays all the colors requested by its application up to the maximum number...

...palette. Additional requested colors are then selected by matching them as closely as possible to the 20 **reserved system colors** . But when the applications in inactive, "**background windows** no longer have control over the palette and may lose color integrity. **Windows** matches the color requests of these **background windows** as closely as possible to the color of the active window. This reduces the undesirable color changes that occur in the inactive **windows** . The color resolution of inactive

windows isn't absolutely crucial, but it's a nice touch.  
A typical VGA graphics display provides only...

36/5,K/21 (Item 7 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

02230352 SUPPLIER NUMBER: 53093802 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Create a Personalized Start Page. (Page1 Web access technology) (Technology Tutorial) (Tutorial)**  
Sipe, Steven E.  
PC Magazine, 255(1)  
Nov 17, 1998  
DOCUMENT TYPE: Tutorial ISSN: 0888-8507 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 3413 LINE COUNT: 00256

DESCRIPTORS: Technology Installation Instructions; Internet Access  
PRODUCT/INDUSTRY NAMES: 7372681 (Internet Access Software)  
SIC CODES: 7372 Prepackaged software  
FILE SEGMENT: CD File 275

... used by HTML pages is different from the one used by Windows.  
To define a bright-red **background** color in HTML, we would use the parameter BGCOLOR = #ff0000. The **Windows** version of an RGB value is a COLORREF variable. As an experiment, **store** the same **color** in a COLORREF variable called rgbMyValue, then call printf("BGCOLOR = %#06X",rgbMyValue). You'll find that the...

36/5,K/25 (Item 11 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01823509 SUPPLIER NUMBER: 17193577 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Interface-lift. (Microsoft's Windows 95 operating system) (Windows 95 supplement) (one of four articles about Windows 95's features in "Windows 95 walk-through")**  
Mendelson, Edward  
Windows Sources, v3, n9, p134(4)  
Sep, 1995  
ISSN: 1065-9641 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2091 LINE COUNT: 00159

ABSTRACT: The Microsoft Windows 95 interface includes dozens of new features that can be used to significantly improve computer session efficiency, ease-of-use and organization, but the new interface will take some retraining for Windows 3.x users. Windows 3.x users will have to learn several new Windows 95 interface conventions, such as the move of the close application button to the upper right-hand corner where the minimize/maximize application buttons were located. The Windows 95 interface is extremely mouse-centric, but keyboard commands, which can be found in the README files, do exist. The left mouse button functions in the same manor as before, but the right button is now fully functional. Clicking the right button on an icon produces a miniature file manager. The Windows 95 Shortcuts feature allows almost any frequently used action to be turned into a shortcut for quick execution. The interface also includes extensive drag-and-drop features.

SPECIAL FEATURES: illustration; table  
COMPANY NAMES: Microsoft Corp.--Products  
DESCRIPTORS: Product Information; Product Description/Specification;  
Operating System  
SIC CODES: 7372 Prepackaged software  
TICKER SYMBOLS: MSFT  
TRADE NAMES: Microsoft Windows 95 (Operating system)--Design and

\* construction

FILE SEGMENT: CD File 275

... press Alt-Enter when the focus is on the desktop), the resulting dialog lets you change the **background** color or wallpaper, configure a screen **saver**, and change **color** depth, screen size, and the desktop fonts. Most changes that used to require you to restart **Windows** now take effect immediately.

The Skinny

Win 95's interface is both a blessing and a curse...

36/5,K/26 (Item 12 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

01782591 SUPPLIER NUMBER: 16626815 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Inside the Windows palette manager. (PC Tech: Tutor) (Column) (Tutorial)**

Prosise, Jeff

PC Magazine, v14, n5, p275(3)

March 14, 1995

DOCUMENT TYPE: Column Tutorial ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2258 LINE COUNT: 00172

ABSTRACT: A guide to programming the Windows Palette Manager is presented. The Palette Manager is not commonly discussed except in programming journals, but it provides a good look into Windows' internal workings. It is built into the Windows Graphics Device Interface (GDI) and acts as an arbitrator when different applications have conflicting color requirements, giving priority to the application in the foreground. Colors are programmed into color registers and referred to by number; palettes programmed directly into the video adapter are called 'physical' or 'system' palettes and are often used by DOS CAD programs. Windows programs use 'logical' palettes, or GDI objects created by the palette manager at an application's request. A special function called SetSystemPaletteUse may be called by an application to take over 18 of the 20 palette entries needed for static colors. A sample program called Visual Palette that demonstrates the Palette Manager by playing the colors in the system palette and updating the display when there are changes is presented.

DESCRIPTORS: Programming Instruction; Technology Tutorial; Programming (Computers); Computer graphics; Program Development Techniques

FILE SEGMENT: CD File 275

... 256 entries in the system palette, the palette manager will fill up to 236 of them with **colors** from the application's logical palette. The other 20 palette entries--entries 0 through 9 and 245 to 254--are **reserved** for "standard" **colors** such as the red and blue that **Windows** keeps on hand for **drawing** title bars, **window borders**, and other **user interface** elements. These 20 **colors** are known as the static **colors**. **Windows** also uses the static **colors** to fulfill the **color** needs of programs that do not use logical palettes.

The palette manager provides a special function, named...

36/5,K/33 (Item 19 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

01517933 SUPPLIER NUMBER: 12155870 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**PictureEze. (Software Review) (one of ten evaluations of data conversion software packages in 'Capture and Conversion the Windows Way')**

(Evaluation)

Antonoff, Michael; Murphy, Paul

PC Magazine, v11, n11, p277(3)

June 16, 1992

DOCUMENT TYPE: Evaluation      ISSN: 0888-8507      LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 712      LINE COUNT: 00054

ABSTRACT: Application Techniques Inc's \$149 PictureEze 2.0 data conversion software is not capable of performing screen captures, but is bundled with CaptureEze for executing screen captures. PictureEze can automatically add a series of effects to a captured image. PictureEze's strength lies in its macro-like recorder, which can log up to 32 sequential effects into a Recipe. Recipes are named, saved and then loaded separately from image files. Recipes basically automate image processing. However, screen redraws are quite slow and screen captures are a bit off. PictureEze is not capable of printing. If PictureEze eliminates its shortcomings, potential does exist for a very powerful program. PictureEze requires a 286 or higher-based microcomputer, 640Kbytes of RAM, an EGA display or better and Microsoft Windows 3.0 or better.

SPECIAL FEATURES: illustration; photograph; table  
COMPANY NAMES: Application Techniques Inc.--Products  
DESCRIPTORS: Evaluation; File Format Conversion Software; Software Packages  
SIC CODES: 7372 Prepackaged software  
TRADE NAMES: PictureEze 2.0 (Data conversion software)--evaluation  
OPERATING PLATFORM: MS Windows  
FILE SEGMENT: CD File 275

... alas, neither CaptureEze nor PictureEze can print. CaptureEze captured the Lotus 1-2-3 worksheet in a **DOS** window, which we **saved** to a **color** TIFF format. Loaded into PictureEze, the image colors matched, although the white characters were slightly dull. Our gray-scale reduction resulted in two levels of gray, a jet-black **background**, and off-white text. The Invert Image Colors command produced crisply readable characters on a white **background**, but the title bar appeared a tad tan.

PictureEze is headed in the right direction with its...

36/5,K/34      (Item 20 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01504603      SUPPLIER NUMBER: 11975866      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Reset your screen's background and text colors. (Hot Tips) (Brief Article)**  
Barden, William, Jr.  
PC-Computing, v5, n4, p221(2)  
April, 1992  
DOCUMENT TYPE: Brief Article      ISSN: 0899-1847      LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 252      LINE COUNT: 00025

DESCRIPTORS: Screens; Tutorial; Color; Displays; MS-DOS; Operating System  
OPERATING PLATFORM: MS-DOS  
FILE SEGMENT: CD File 275

TEXT:

Tired of white-on-black **DOS** text screens? Here's an easy way to screen foreground and **background** colors to any combination of colors **DOS** can show. When the sequence is implemented, you'll be able to set the screen colors by entering a simple command from the **DOS** prompt. To use green on red, for example, you'd simply enter **COLORS GREEN RED**. You need...

...do this. First, ensure that your **CONFIG.SYS** contains an ANSI device statement such as **DEVICE=C:\DOS\ANSI.SYS**. Second, create the following short GW-Basic/QBasic program (be sure to save the file in pure ASCII text format). Name the file **COLORS.BAS** and **save** it in the same directory as your BASIC compiler (usually your **DOS** directory). (Note: Enter each indented line as a continuation of the previous line--all the lines you...

36/5,K/35 (Item 21 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01494341 SUPPLIER NUMBER: 11674564 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Image-In-Color: desktop darkroom. (image processing software from Image-In  
Inc.) (Software Review) (Product Reviews) (Evaluation)  
Glinert-Stevens, Susan  
PC Sources, v3, n1, p401(1)  
Jan, 1992  
DOCUMENT TYPE: Evaluation ISSN: 1052-6579 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 837 LINE COUNT: 00066

ABSTRACT: Image-In Inc.'s \$795 Image-In-Color is an image processing package for the Microsoft **Windows** 3.0 graphical user interface ( **GUI** ) that allows users extremely accurate manipulation of **color** images from a range of file formats. Using a powerful video card with Image-In- **Color** offers a photo-realistic image of up to 16.7 million **colors** , but the program simulates support for high-resolution graphics on systems that do not have this capability. The interface takes full advantage of the **Windows** environment and uses mouse clicks for tool selection and tool parameter control. The tools include several for **color** separation, a paintbrush, a pen, an eraser, an airbrush, a cloning tool, a smudger, an eyedropper that can pick up a specific **color** from the images, a **line** tool for **drawing** rectangles, ellipses, polygons and Bezier curves and a selection tool for specifying the image area to be edited. Filters can be applied to the entire image or a section and include brighten, sharpen, swirl, diffuse, waves and black hole. Users can also **create** and **save** palettes using several **color** models.

SPECIAL FEATURES: illustration; table  
COMPANY NAMES: Image-In Inc.--Products  
DESCRIPTORS: Evaluation; Image Processing; Software Packages  
SIC CODES: 5734 Computer and software stores; 3577 Computer peripheral equipment, not elsewhere classified; 7372 Prepackaged software  
TRADE NAMES: Image-In-Color (Image processing software)--evaluation  
OPERATING PLATFORM: MS Windows  
FILE SEGMENT: CD File 275

ABSTRACT: Image-In Inc.'s \$795 Image-In-Color is an image processing package for the Microsoft **Windows** 3.0 graphical user interface ( **GUI** ) that allows users extremely accurate manipulation of **color** images from a range of file formats. Using a powerful video card with Image-In- **Color** offers a photo-realistic image of up to 16.7 million **colors** , but the program simulates support for high-resolution graphics on systems that do not have this capability. The interface takes full advantage of the **Windows** environment and uses mouse clicks for tool selection and tool parameter control. The tools include several for **color** separation, a paintbrush, a pen, an eraser, an airbrush, a cloning tool, a smudger, an eyedropper that can pick up a specific **color** from the images, a **line** tool for **drawing** rectangles, ellipses, polygons and Bezier curves and a selection tool for specifying the image area to be...

...image or a section and include brighten, sharpen, swirl, diffuse, waves and black hole. Users can also **create** and **save** palettes using several **color** models.

36/5,K/37 (Item 23 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01418455 SUPPLIER NUMBER: 10382201 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Getting more color with the Windows Palette Manager. (Microsoft Windows  
3.0) (Environments) (Column) (Technical) (tutorial)

Petzold, Charles  
PC Magazine, v10, n5, p379(4)  
March 12, 1991

DOCUMENT TYPE: tutorial ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3164 LINE COUNT: 00242

ABSTRACT: Microsoft Windows 3.0's Graphics Device Interface (GDI) supports a palette manager that allows Windows applications to use customized colors. Applications intending to use the palette manager should first check for device driver support. The palette table size, the color resolution and the number of reserved colors should also be determined. The system palette is a table of color values maintained by device drivers. The logical palette is an array of color values required by the Windows application. Color values from the logical palette are loaded into the system palette for use by the video board's palette table. Priority for the palette table is given to the foreground window. Applications can access 18 of the 20 system palette entries reserved by a device driver. Raster operations are altered by changes in the palettes, so they should be performed in black and white, which do not change.

DESCRIPTORS: Tutorial; Video Boards/Cards; Color; RGB; Computer Graphics  
SIC CODES: 7372 Prepackaged software  
TRADE NAMES: Microsoft Windows 3.0 (GUI)--Usage  
OPERATING PLATFORM: MS Windows  
FILE SEGMENT: CD File 275

... in the last issue.

The only pure colors that a Windows program may use are the 20 **reserved colors** and the **colors** in its logical palette (after the logical palette has been selected into the device context and realized continue to produce dithered colors formed from the 20 **reserved colors** . THE ORDERING PROBLEM If the system palette doesn't contain enough entries for a whole logical palette (which may well be the case, if the logical palette belongs to a program running in the **background** ) then GDI attempts to map as many colors as possible into the system palette, starting with the...

...that if you want to preserve some degree of visual integrity when your program is in the **background** , then you should place the most important entries in the logical palette first..

For the GRAYS program...

36/5,K/45 (Item 4 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

02491232 Supplier Number: 45001078 (THIS IS THE FULLTEXT)  
ATM: LIGHTSTREAM ANNOUNCES INDUSTRY'S BEST PRICE/PERFORMANCE ATM PLATFORM  
FOR ENTERPRISE-WIDE, INTEGRATED LAN/WAN SOLUTIONS  
EDGE, on & about AT&T, v9, n321, pN/A  
Sept 19, 1994

Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1695

TEXT:

LightStream Corp., a leading developer of Asynchronous Transfer Mode (ATM) high-speed networking technology and a majority-owned subsidiary of Bolt Beranek and Newman Inc., Tuesday announced the industry's best price/performance ATM backbone platform, offering integrated LAN/WAN switching, bridging and routing for enterprise-wide solutions. The LightStream 2020 is the industry's first ATM backbone switch with line speed internetworking and global virtual LAN services for both Ethernet and FDDI LANs, and fully integrated with ATM switching. In addition to LAN services, the LightStream 2020 also provides 64 Kbps to 155 Mbps connections for cost-effective wide area networking. It integrates